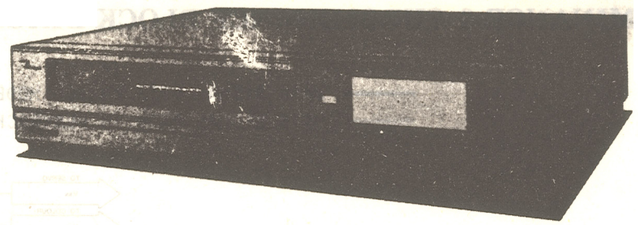
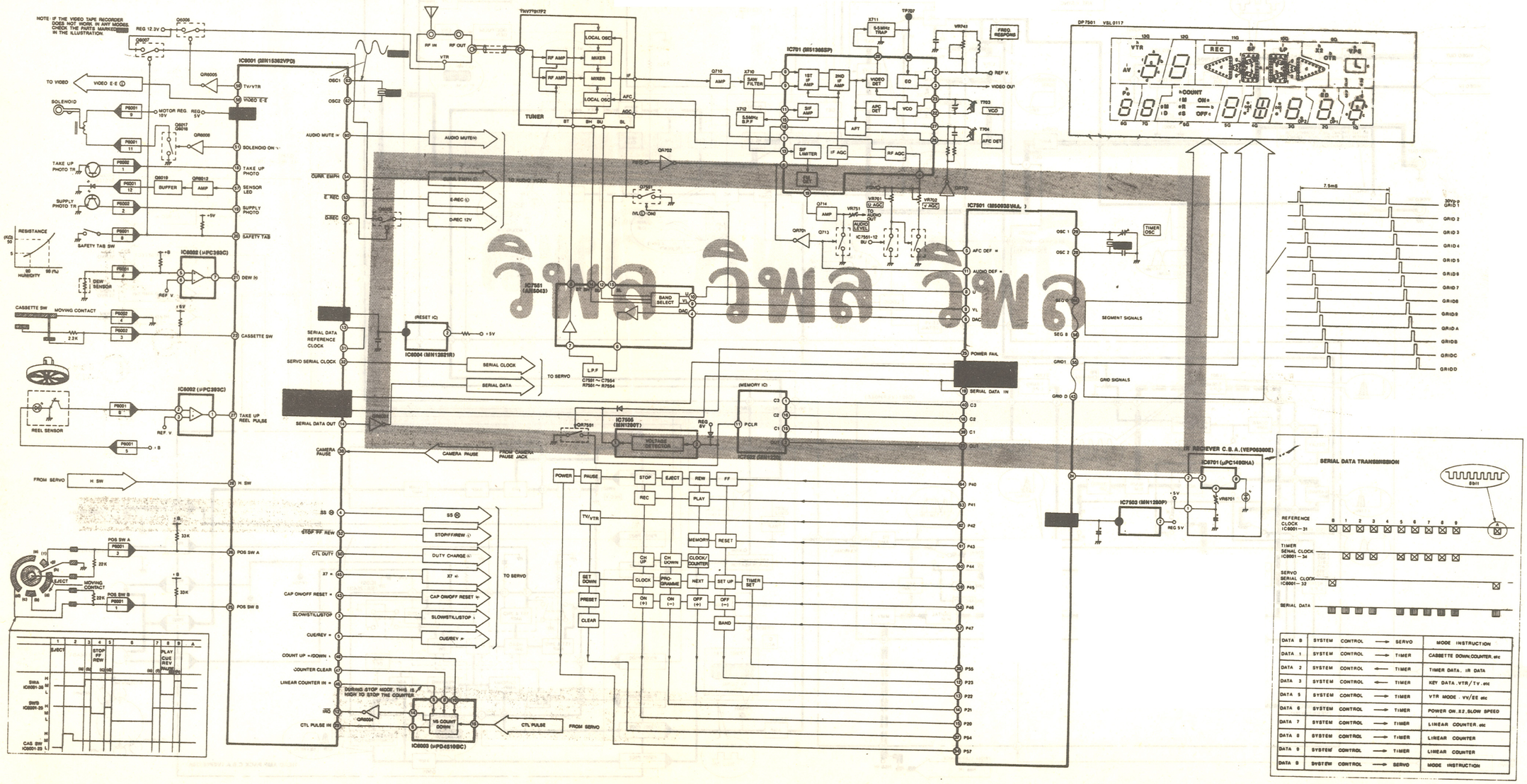
National NV - G 33 EN



SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS
3-1. SYSTEM CONTROL BLOCK DIAGRAM



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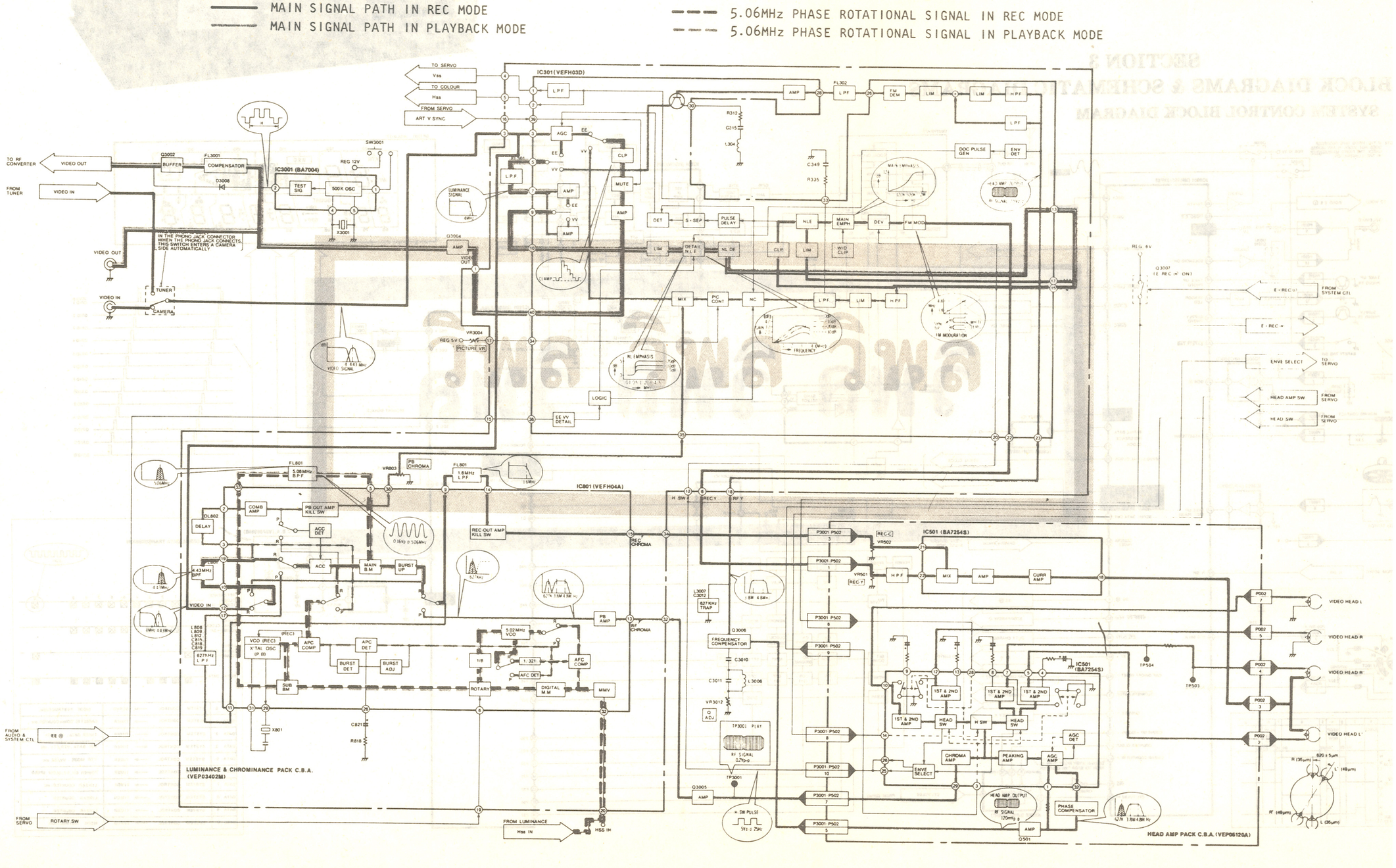
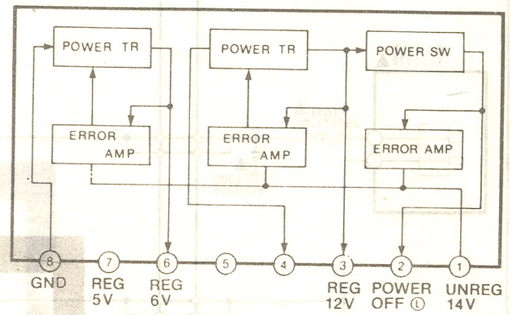
3-3. LUMINANCE & CHROMINANCE BLOCK DIAGRAM

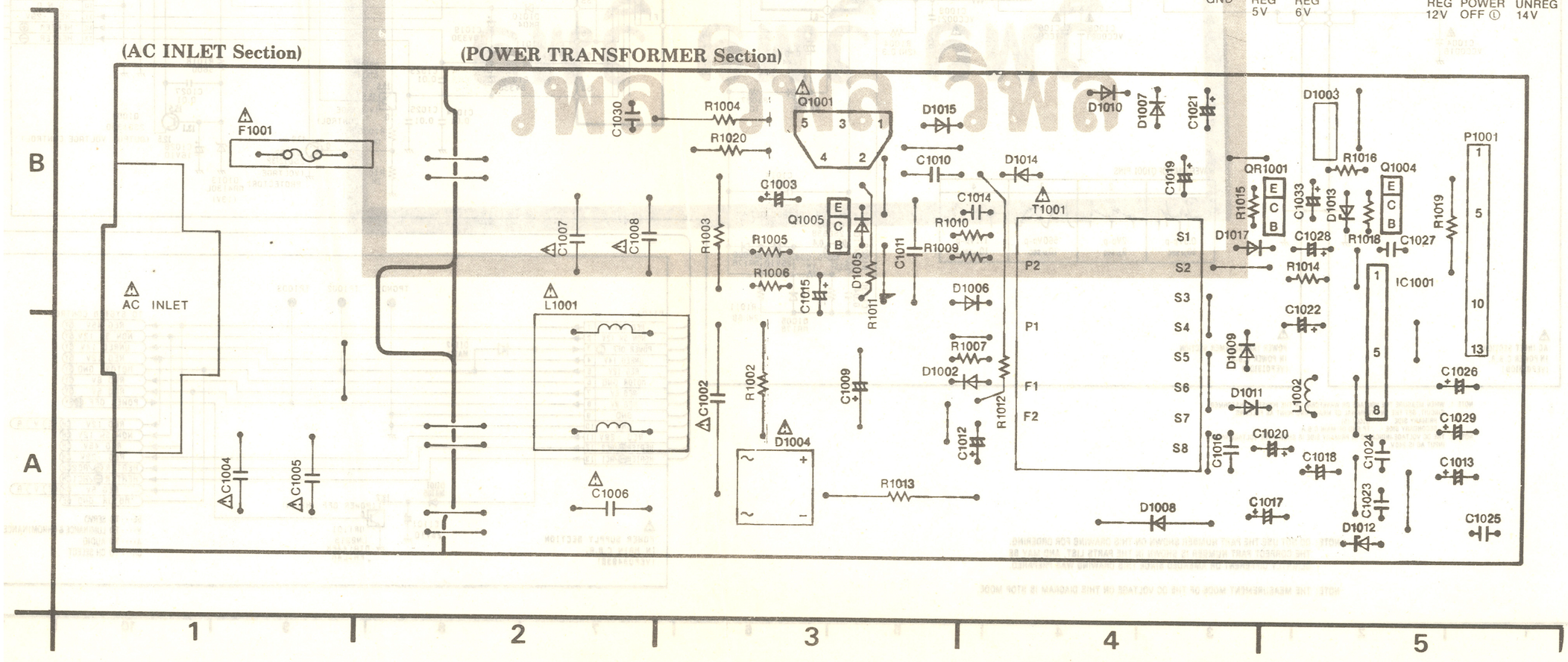


3-4. POWER C.B.A. (VEP01310B)

POWER C.B.A.	
Transistor	
Q1001 Q1004 Q1005	B-3 B-5 B-3
Transistor & Resistor	
QR1001	B-5
Integrated Circuit	
IC1001	B-5
Connector	
P1001	B-5

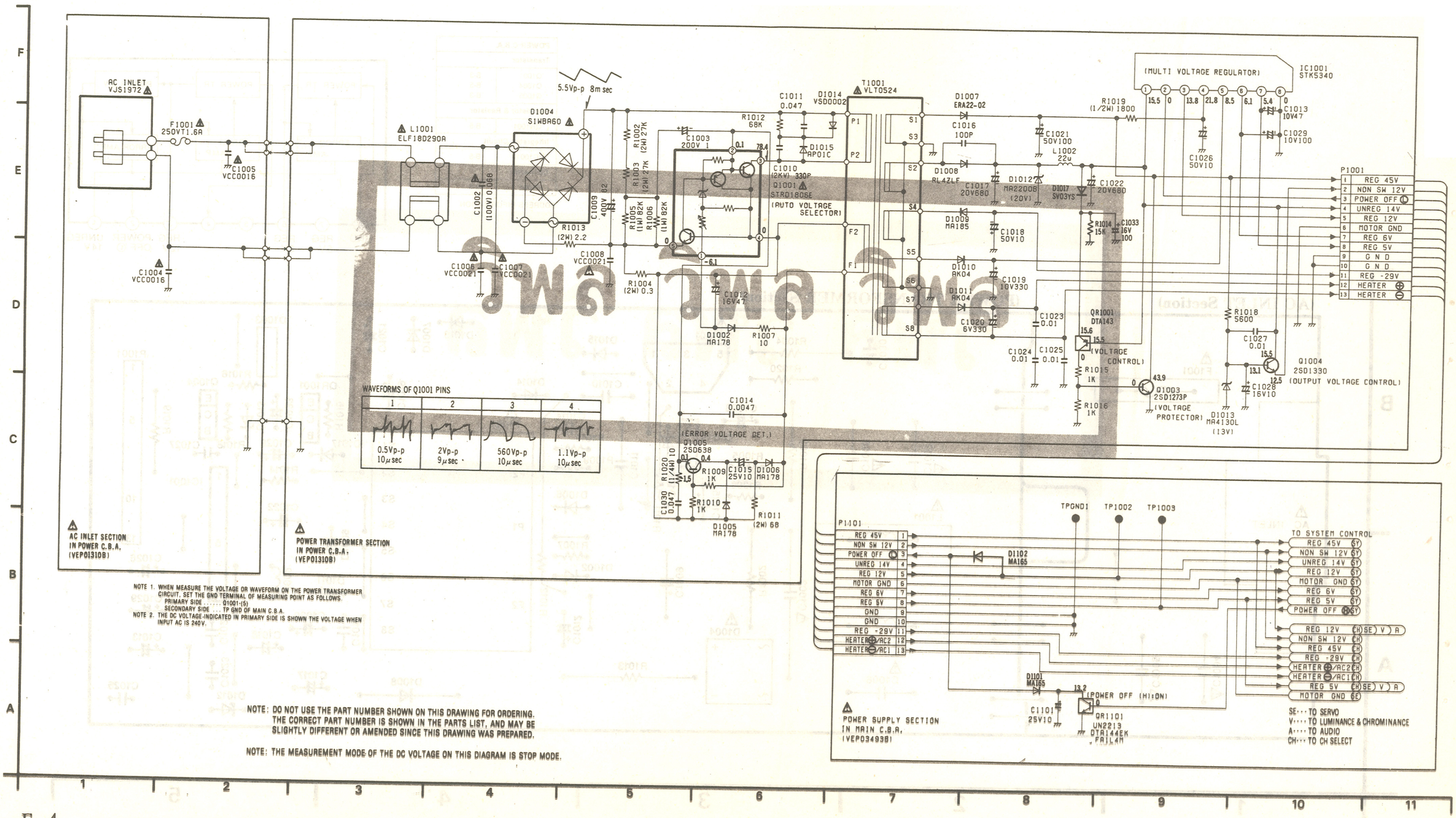
ADDRESS INFORMATION





3-5. POWER SCHEMATIC DIAGRAM

National NV - G 33 EN



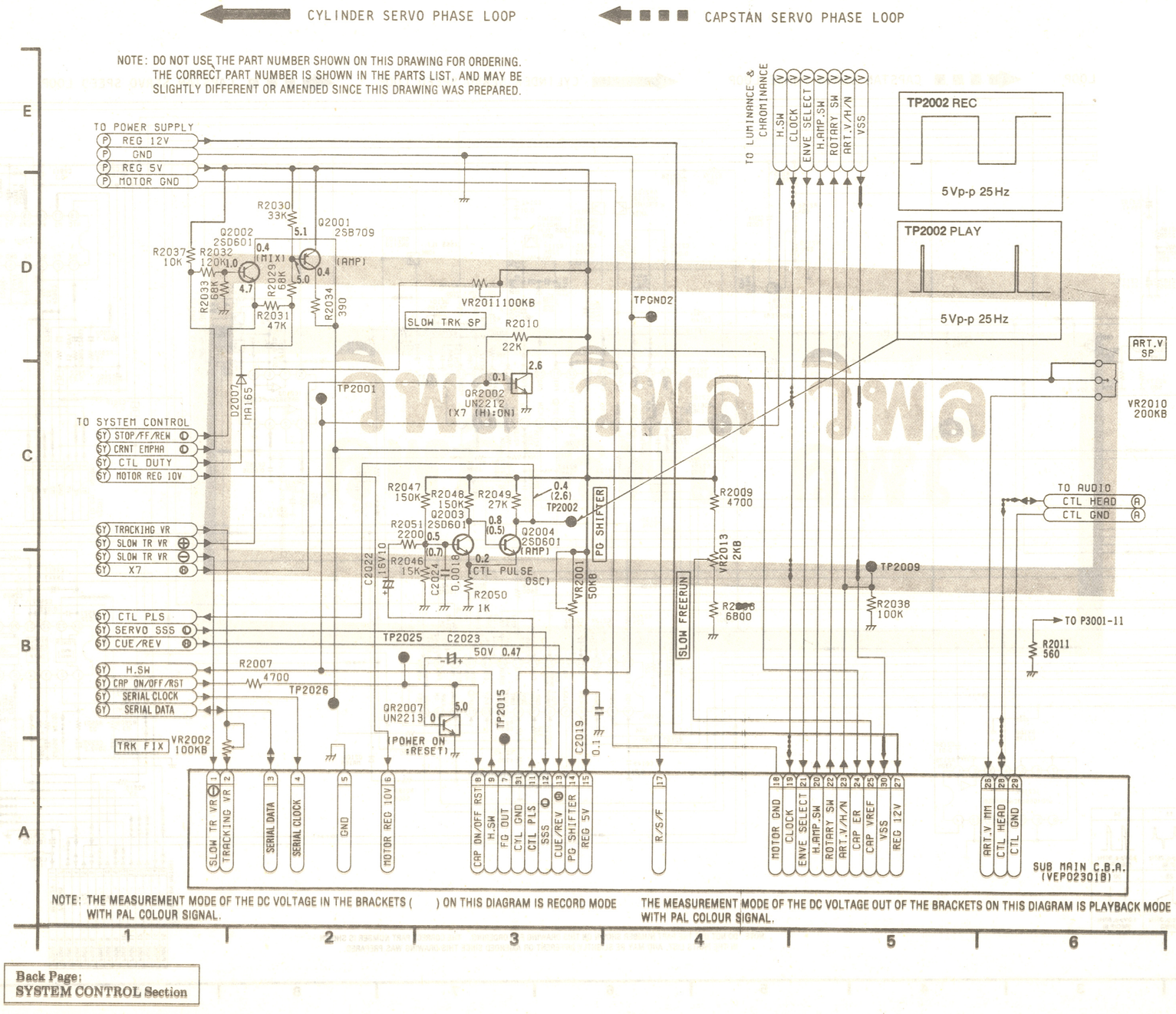
NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE ..... Q1001-(5)
SECONDARY SIDE ... TP GND OF MAIN C.B.A.

NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 240V.

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

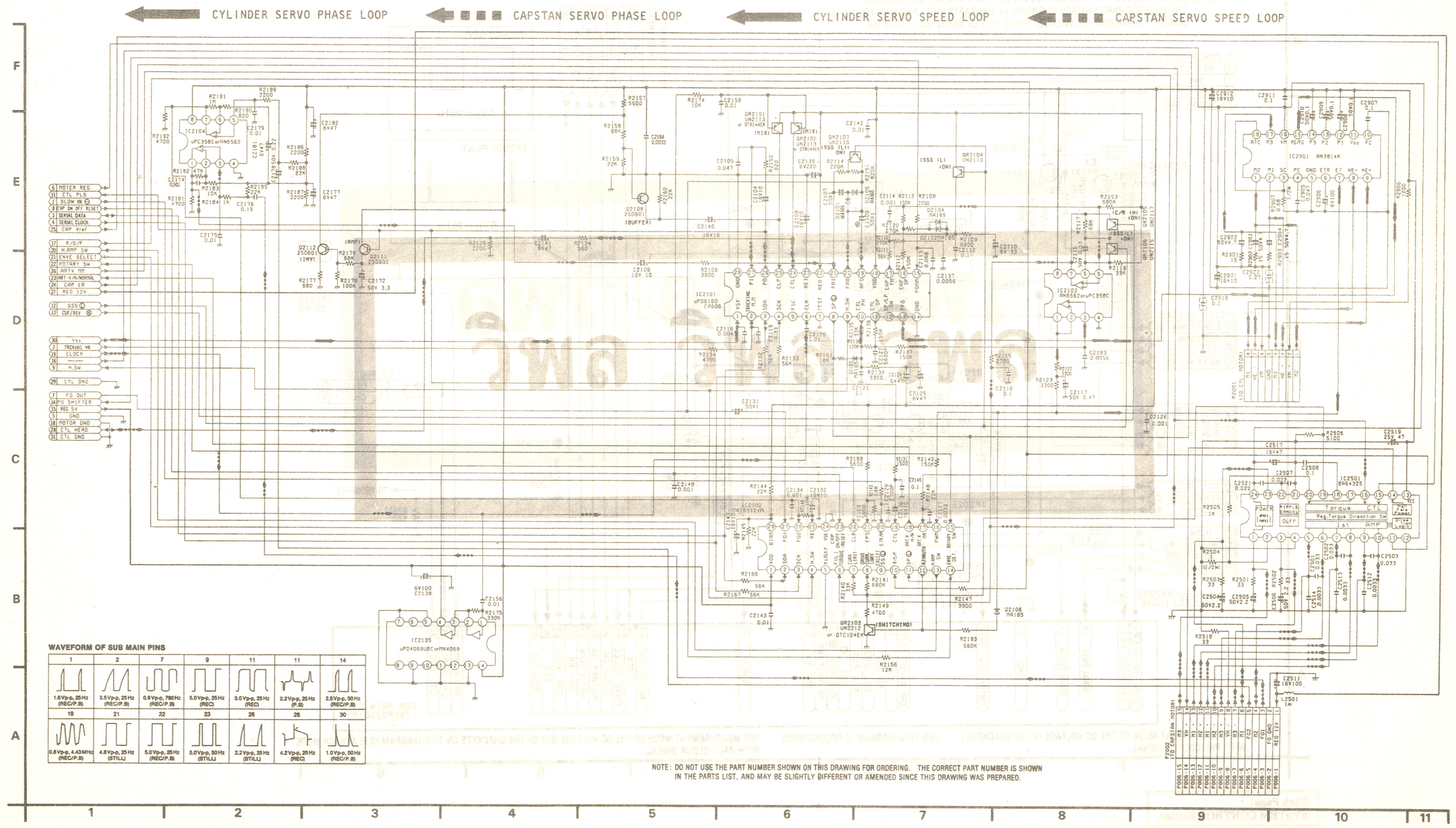
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-9. SERVO SCHEMATIC DIAGRAM



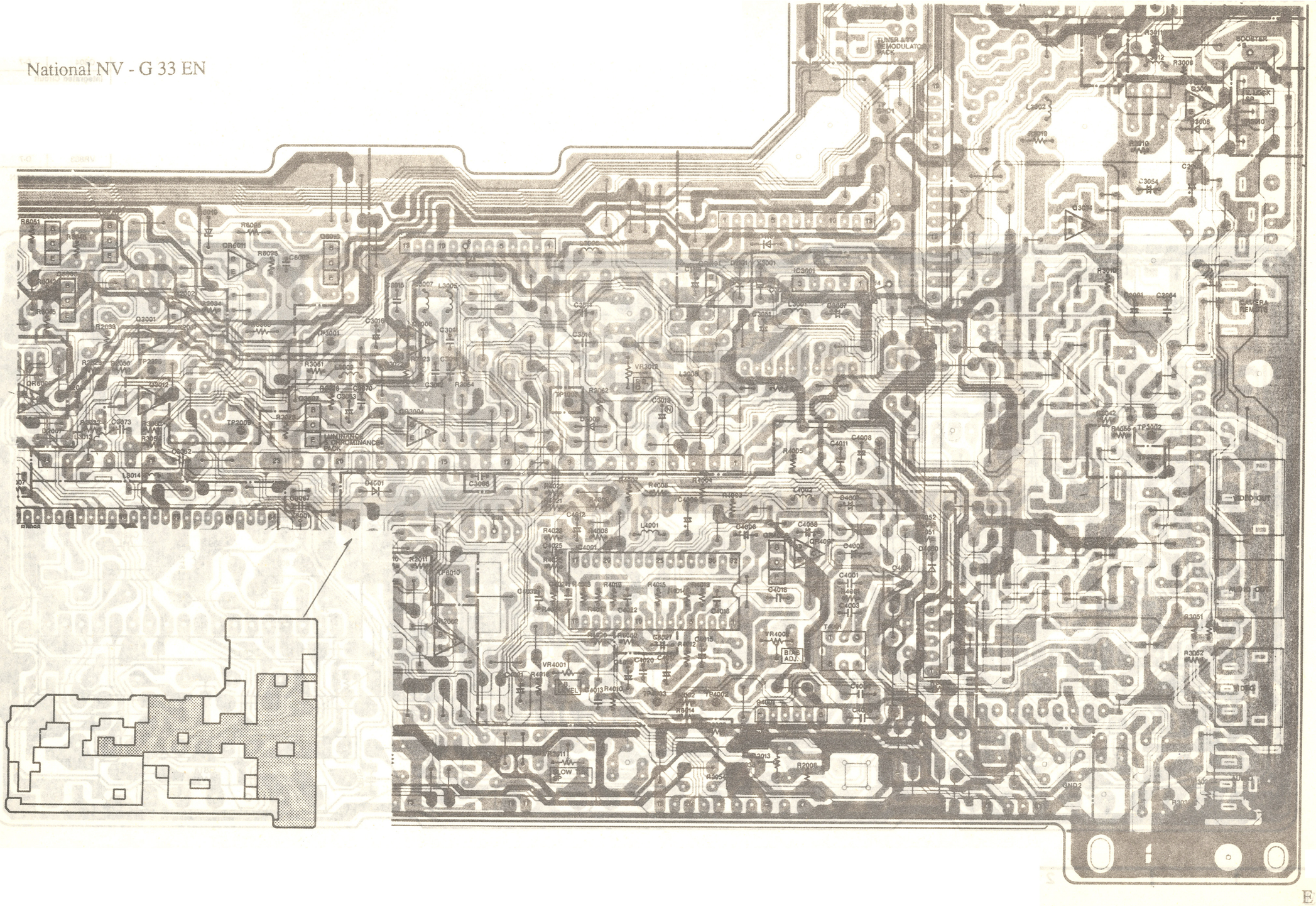
Back Page:
SYSTEM CONTROL Section

3-10. SUB MAIN SCHEMATIC DIAGRAM



3-15. LUMINANCE & CHROMINANCE Section In Main C.B.A. (VEP03493B)

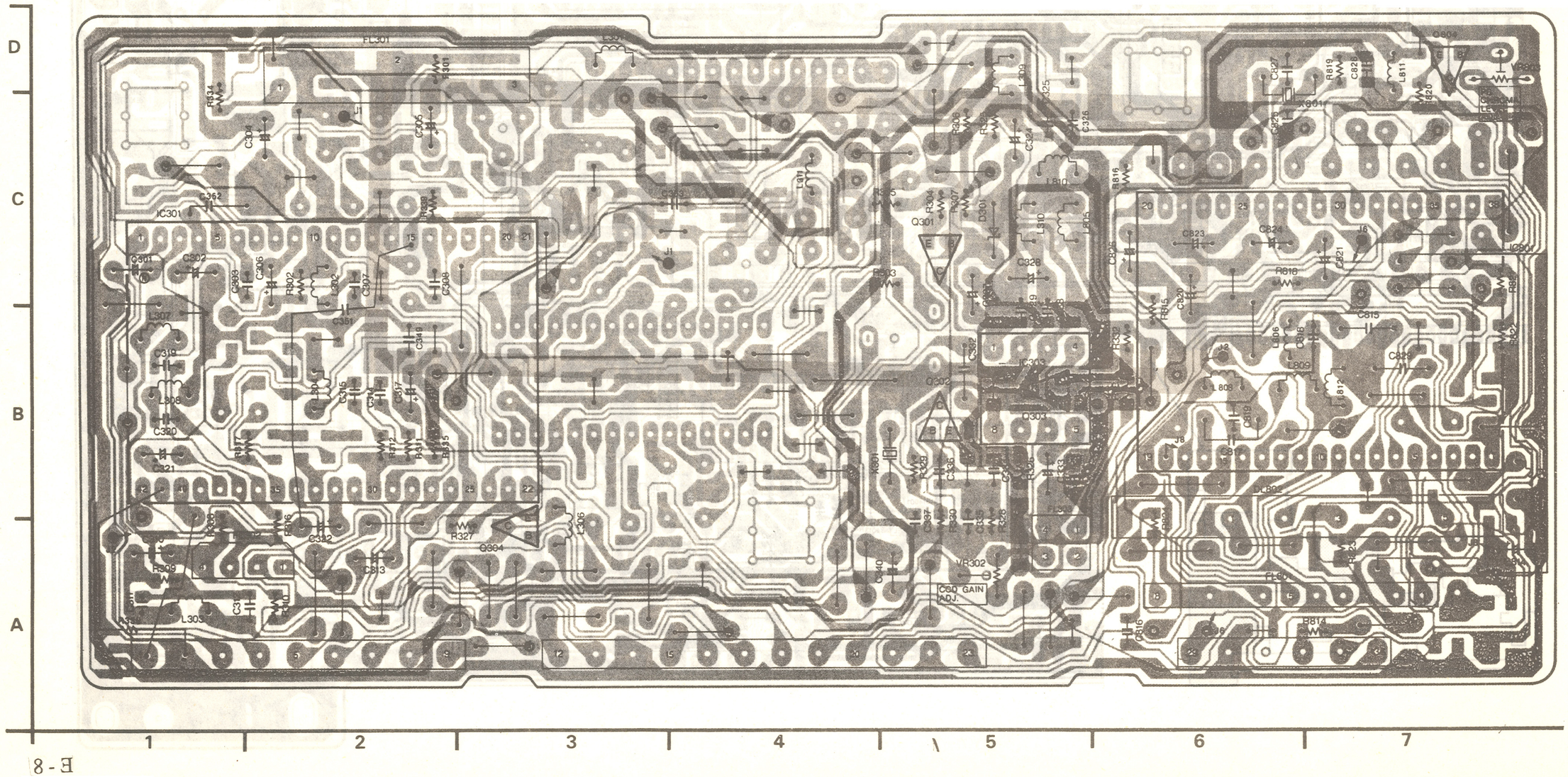
National NV - G 33 EN



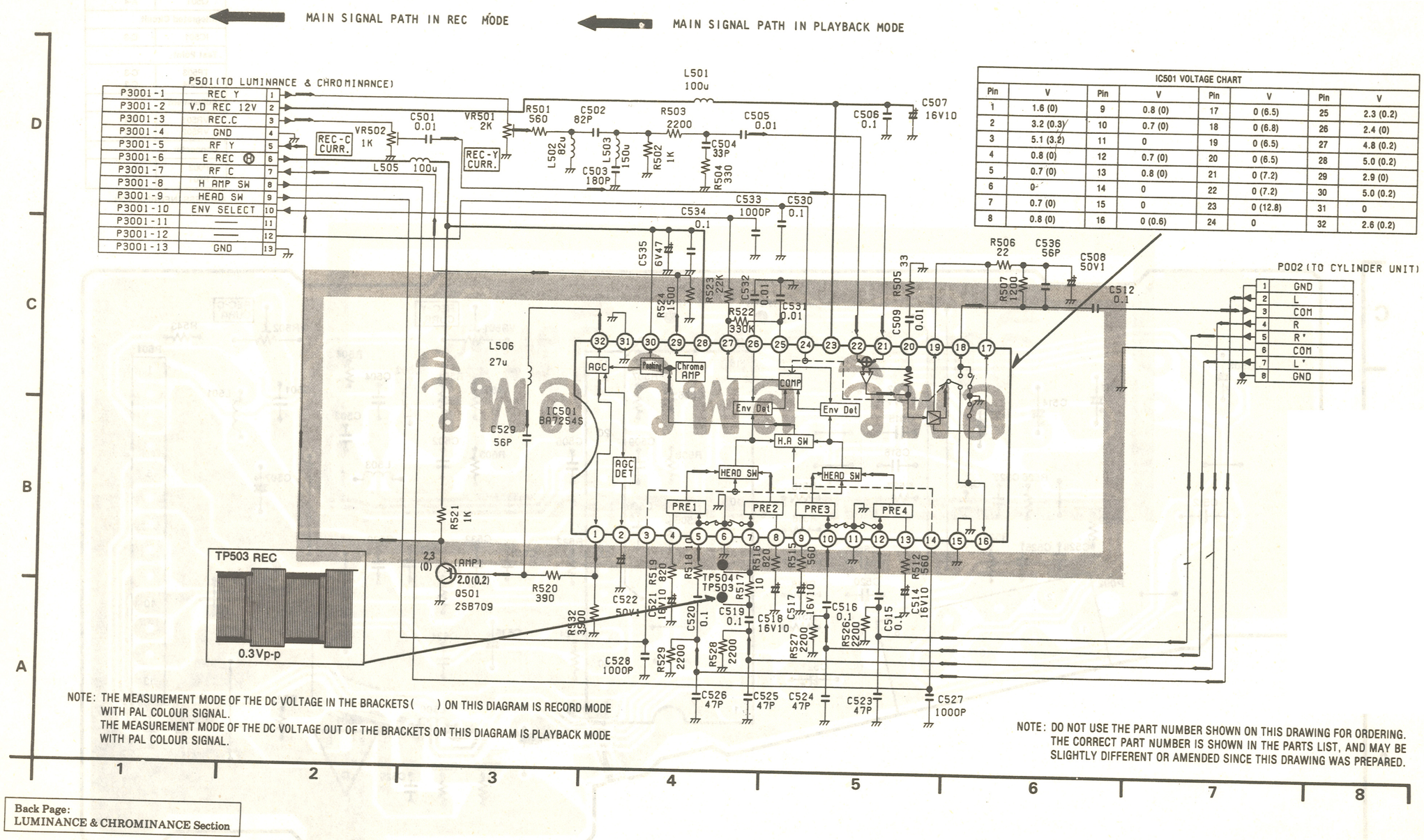
3-16. LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03402M)

LUMINANCE & CHROMINANCE PACK C.B.A.	
Transistor	
Q301	C-5
Q302	B-5
Q303	B-5
Q304	A-3
Q804	D-7
Integrated Circuit	
IC301	C-1
IC303	B-5
IC801	C-7
Adjustment	
VR301	A-5
VR803	D-7

ADDRESS INFORMATION



3-17. HEAD AMP SCHEMATIC DIAGRAM



IC501 VOLTAGE CHART

Pin	V	Pin	V	Pin	V	Pin	V
1	1.6 (0)	9	0.8 (0)	17	0 (6.5)	25	2.3 (0.2)
2	3.2 (0.3)	10	0.7 (0)	18	0 (6.8)	26	2.4 (0)
3	5.1 (3.2)	11	0	19	0 (6.5)	27	4.8 (0.2)
4	0.8 (0)	12	0.7 (0)	20	0 (6.5)	28	5.0 (0.2)
5	0.7 (0)	13	0.8 (0)	21	0 (7.2)	29	2.9 (0)
6	0	14	0	22	0 (7.2)	30	5.0 (0.2)
7	0.7 (0)	15	0	23	0 (12.8)	31	0
8	0.8 (0)	16	0 (0.6)	24	0	32	2.6 (0.2)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

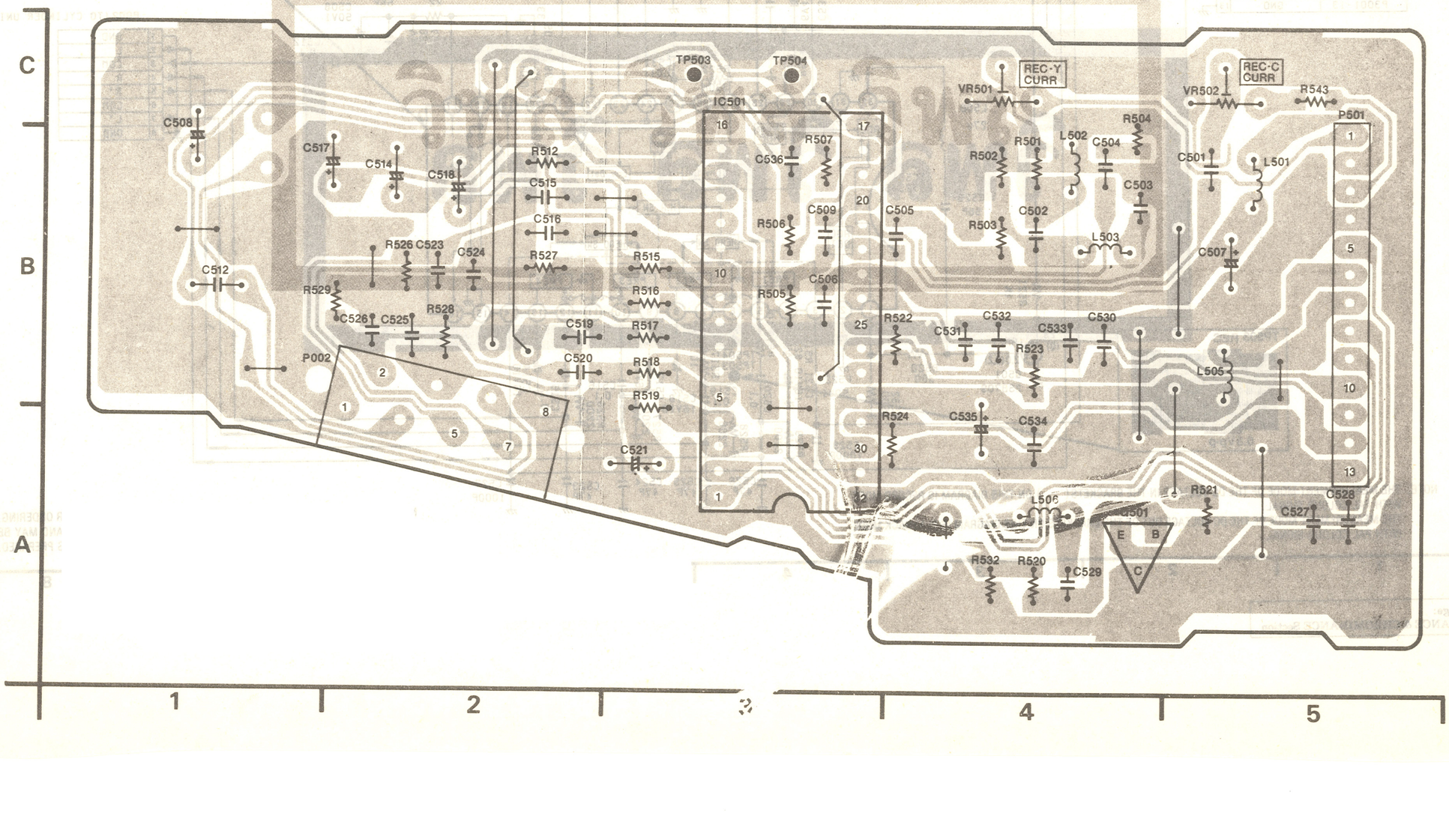
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

Back Page:
LUMINANCE & CHROMINANCE Section

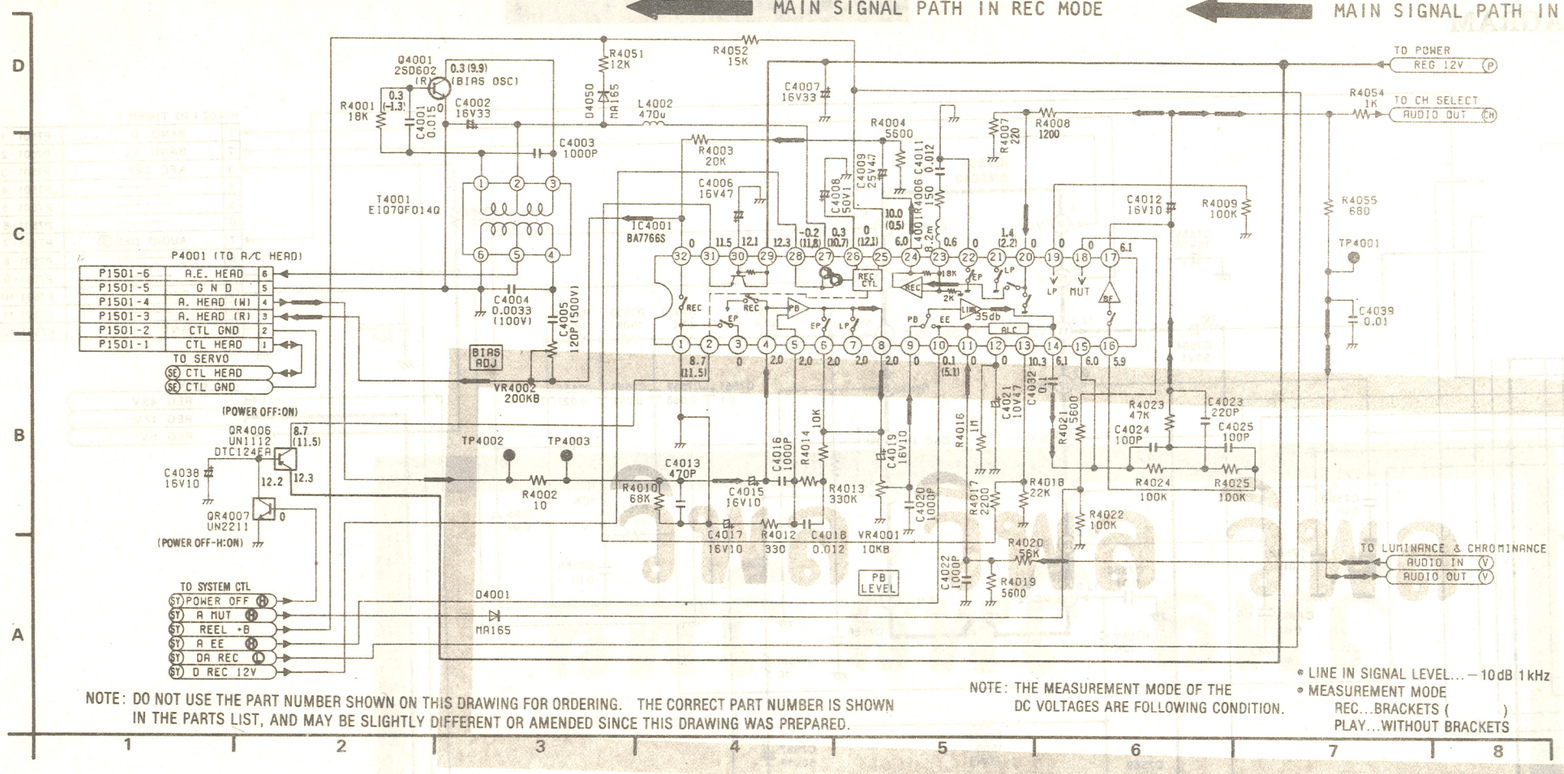
3-18. HEAD AMP C.B.A. (VEP05120A)

HEAD AMP C.B.A.	
Transistor	
Q501	A-4
Integrated Circuit	
IC501	C-3
Test Point	
TP503 TP504	C-3 C-3
Adjustment	
VR501 VR502	C-4 C-5
Connector	
P002 P501	B-2 C-5

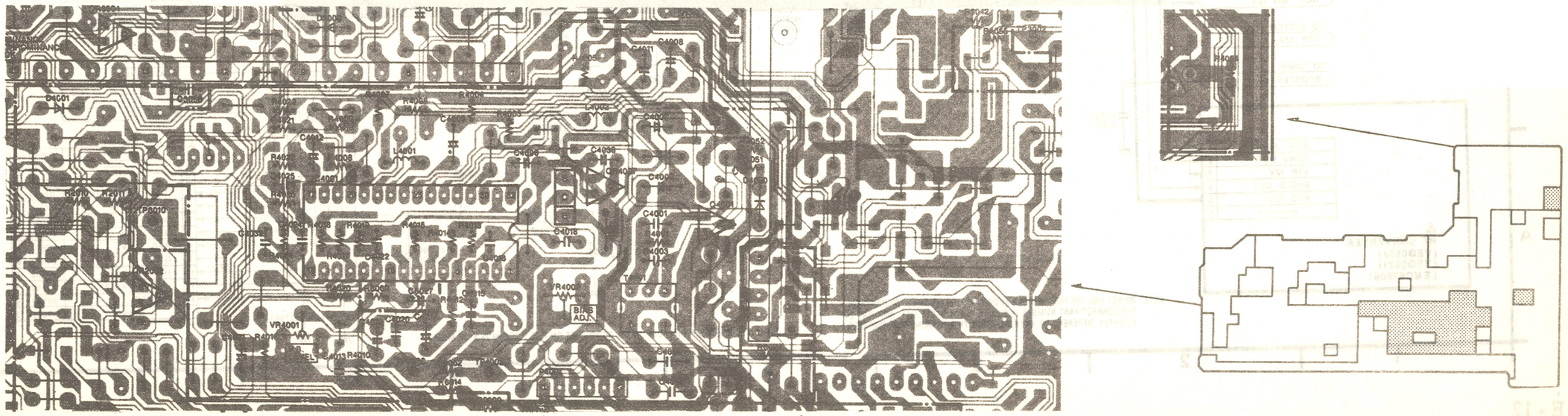
ADDRESS INFORMATION



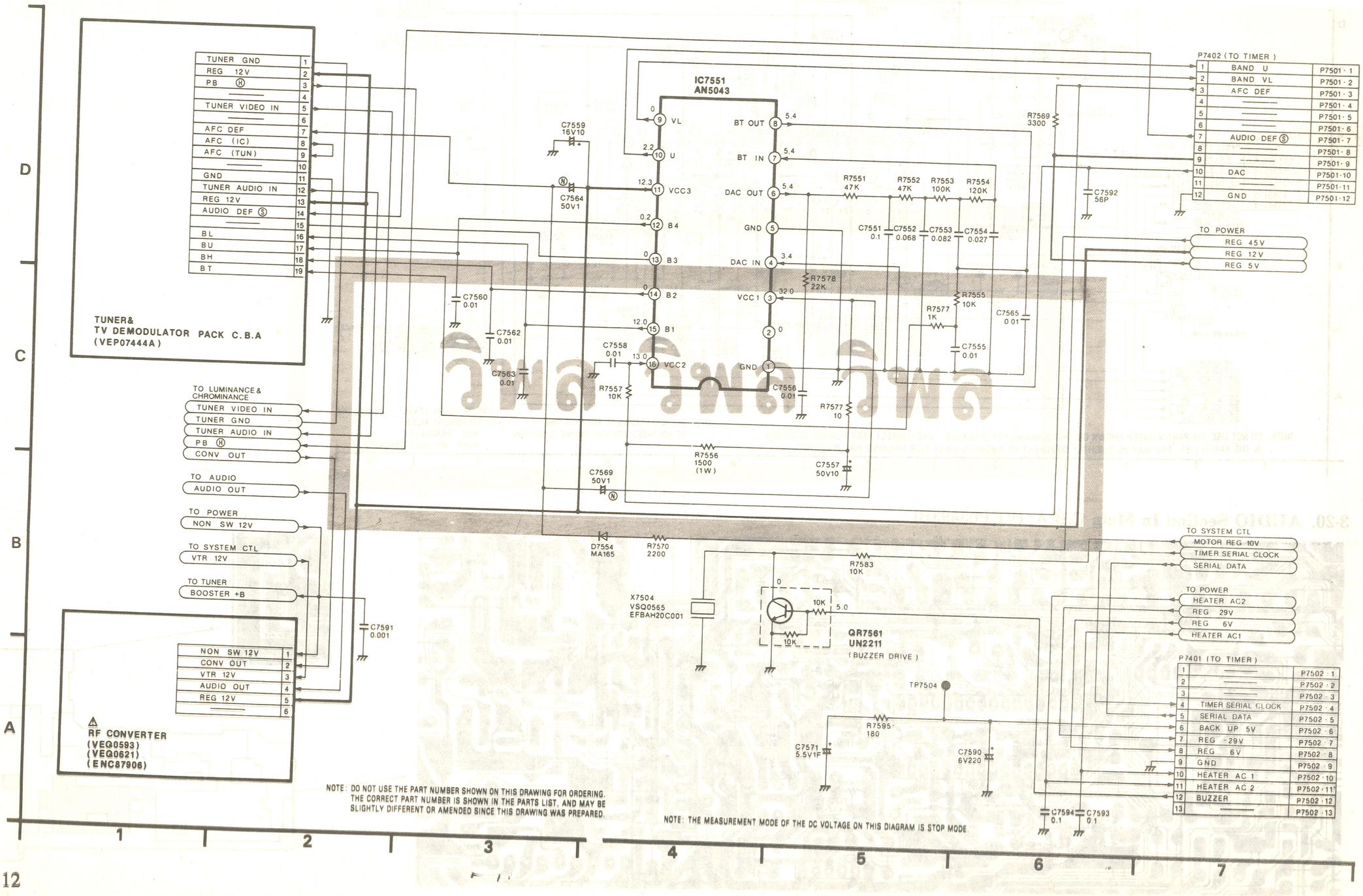
3-19. AUDIO SCHEMATIC DIAGRAM



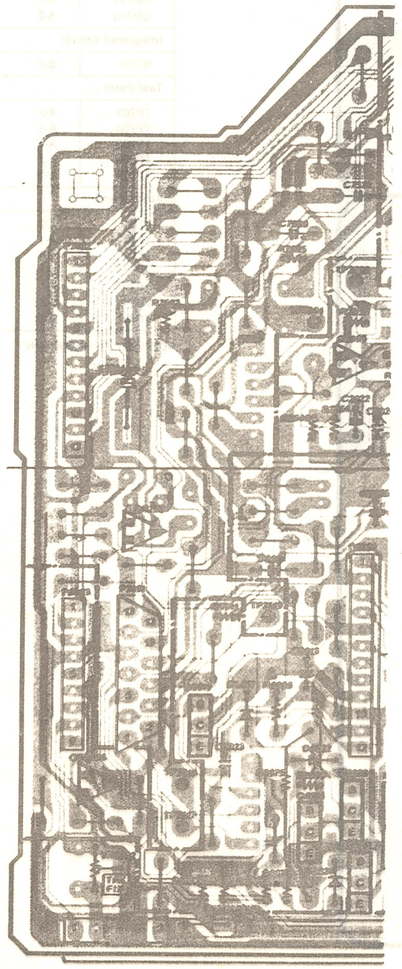
3-20. AUDIO Section In Main C.B.A. (VEP03493B)

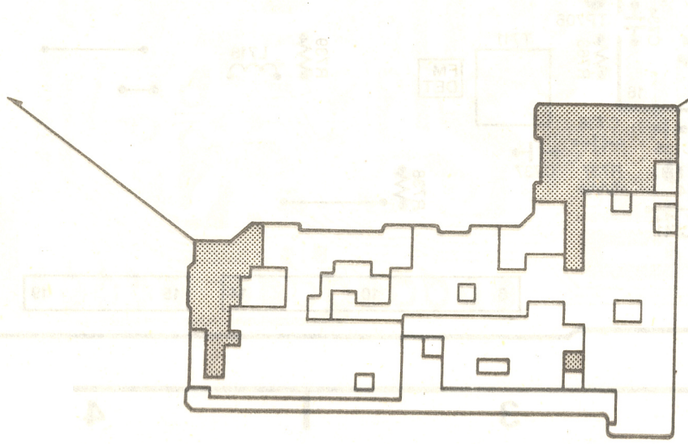


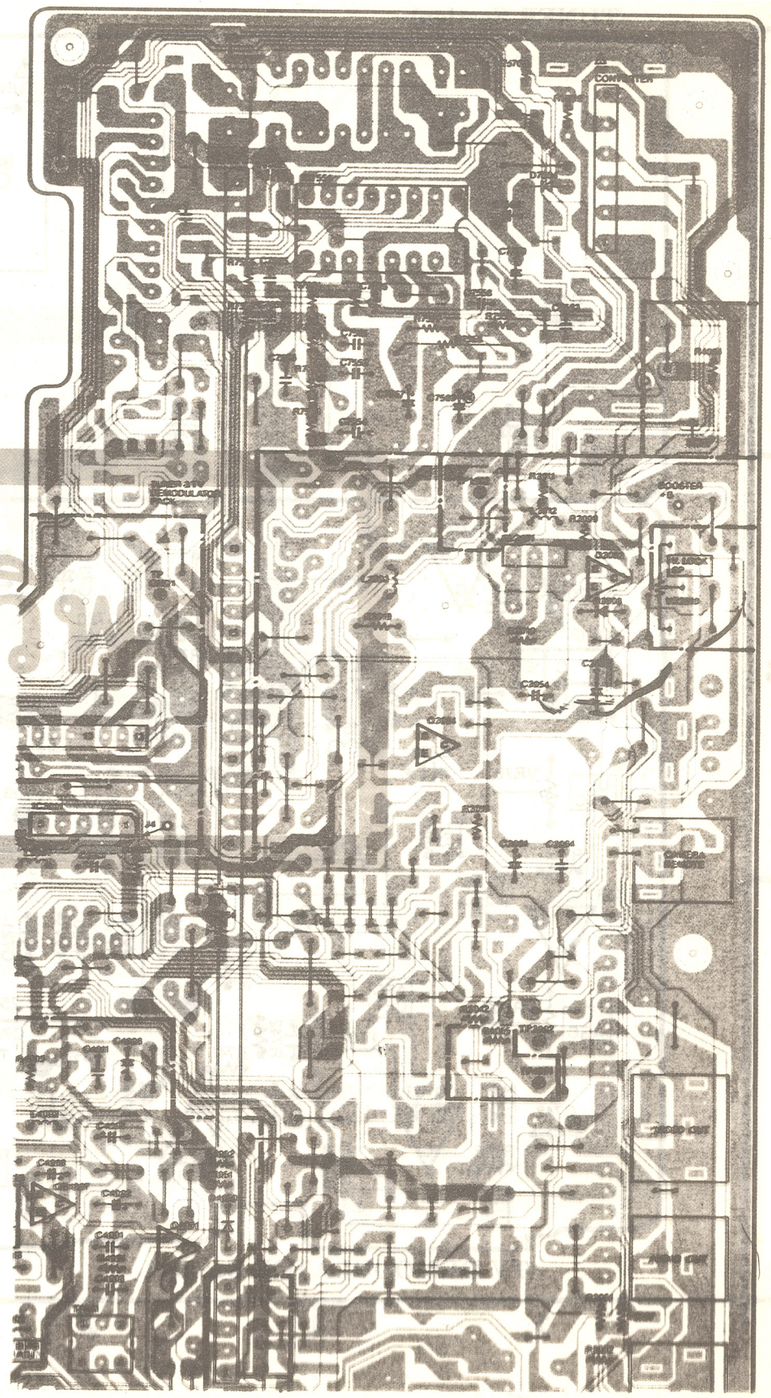
3-21. CH SELECT SCHEMATIC DIAGRAM



3-22. CH SELECT Section In Main C.B.A. (VEP03493B)







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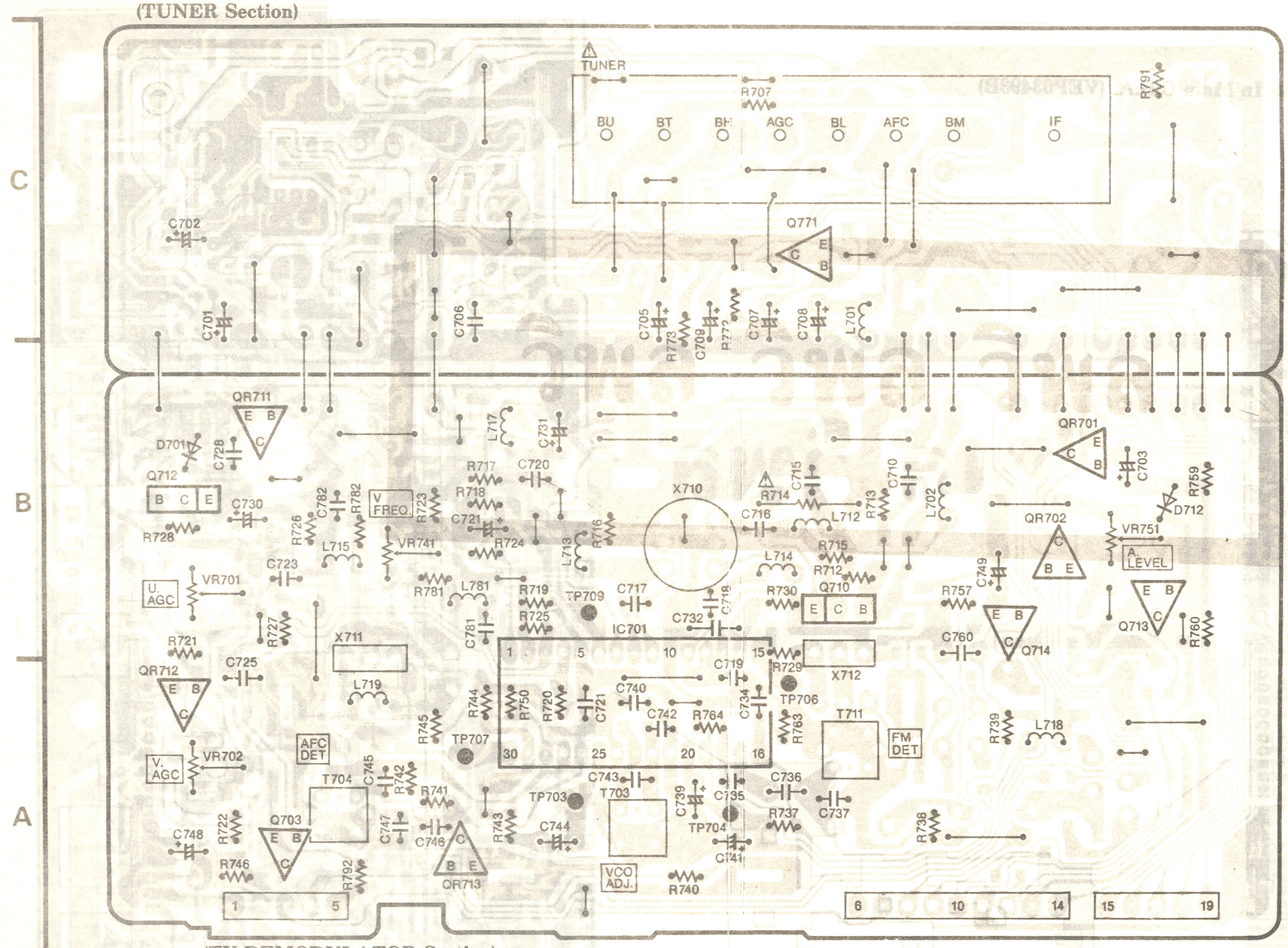
3-23. TUNER & TV DEMODULATOR PACK C.B.A. (VEP07444A)

(TUNER Section)

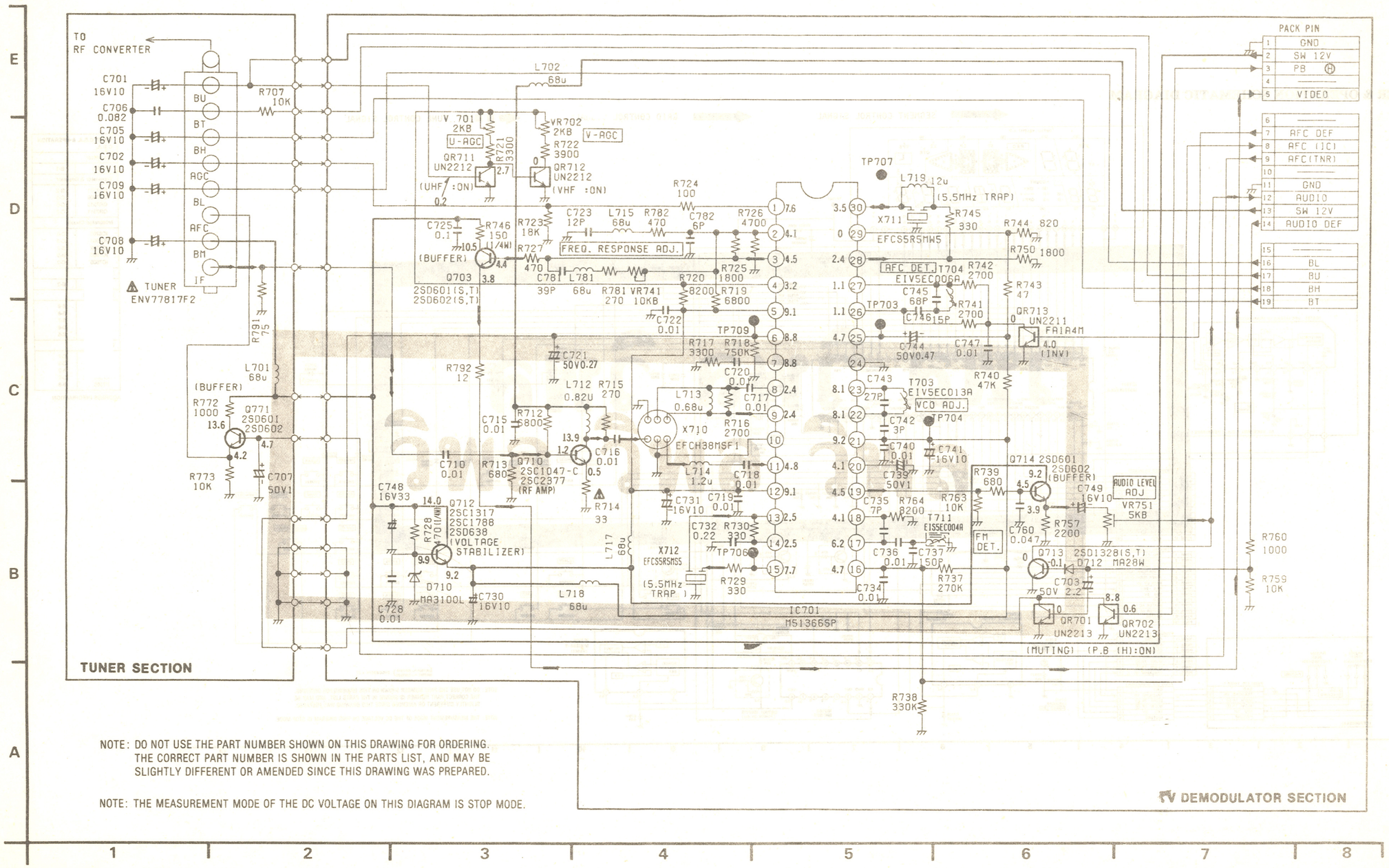


(TV DEMODULATOR Section)

TUNER & TV DEMODULATOR PACK C.B.A.	
Transistor	
Q703	A-1
Q710	B-3
Q712	B-1
Q713	B-4
Q714	B-4
Q771	C-3
Transistor & Resistor	
QR701	B-4
QR702	B-4
QR711	B-1
QR712	A-1
QR713	A-2
Integrated Circuit	
IC701	B-2
Test Point	
TP703	A-2
TP704	A-3
TP706	A-3
TP707	A-2
TP709	B-2
Adjustment	
T703	A-2
T704	A-1
T711	A-3
VR701	B-1
VR702	A-1
VR741	B-2
VR751	B-4

ADDRESS INFORMATION

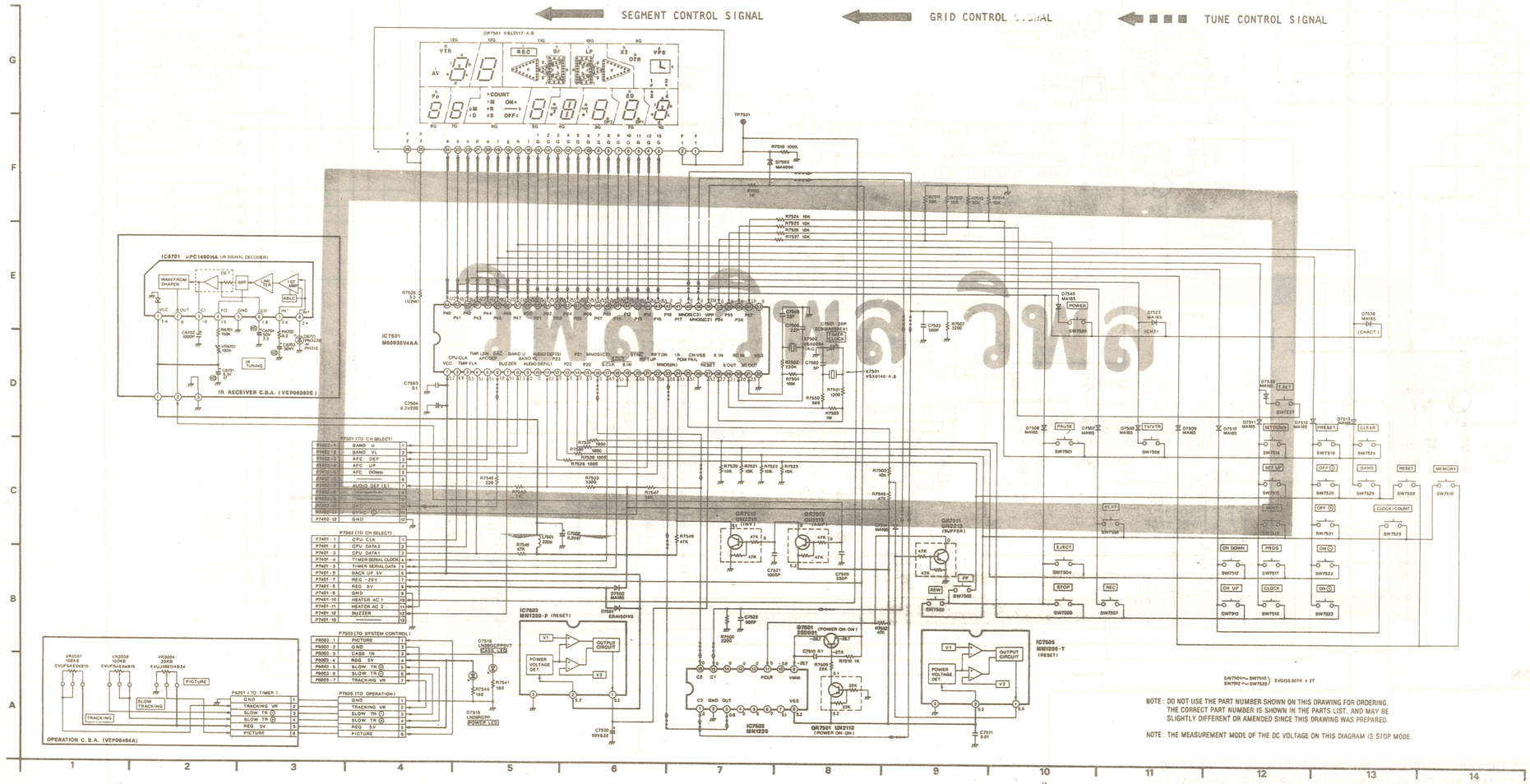
3-24. TUNER & TV DEMODULATOR PACK SCHEMATIC DIAGRAM



NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

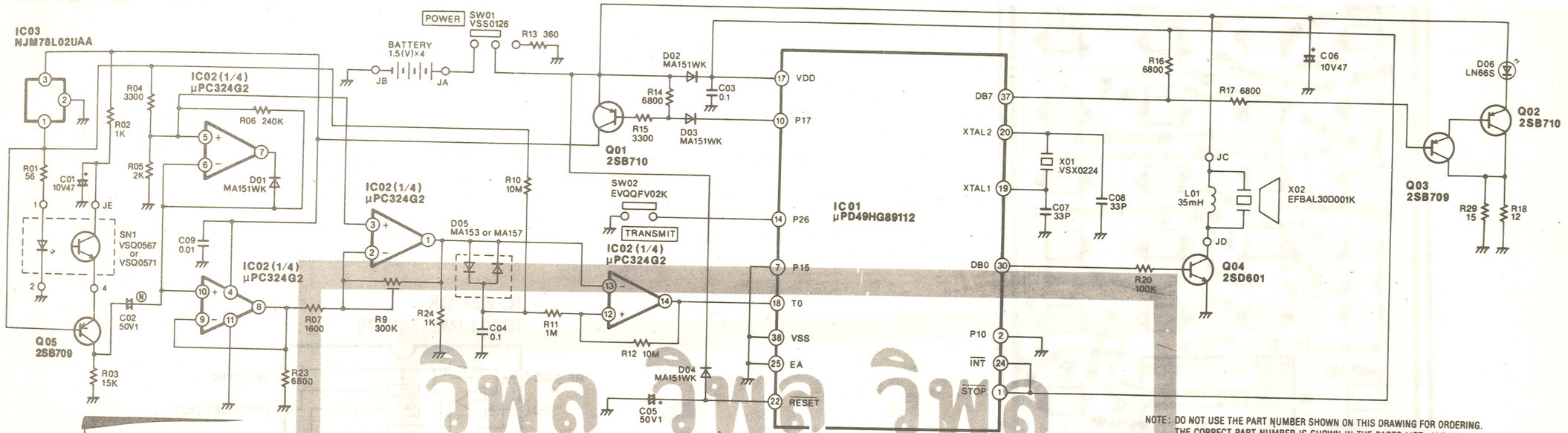
3-25. TIMER & OPERATION SCHEMATIC DIAGRAM



TIMER C.B.A. & OPERATION C.B.A.	
Transistor	
Q7501	B-1
Transistor & Resistor	
QR7501	B-2
QR7509	C-5
QR7510	C-5
QR7511	C-2
Integrated Circuit	
IC6701	D-6
IC7501	C-3
IC7502	B-2
IC7503	B-6
IC7505	C-2
Test Point	
TP7501	B-2
Adjustment	
VR2007	B-9
VR2008	B-8
VR3004	B-7
VR6701	D-6
C7501	B-5
Connector	
P6201	C-7
P7501	C-3
P7502	A-2
P7503	C-2
P7505	B-9

ADDRESS INFORMATION

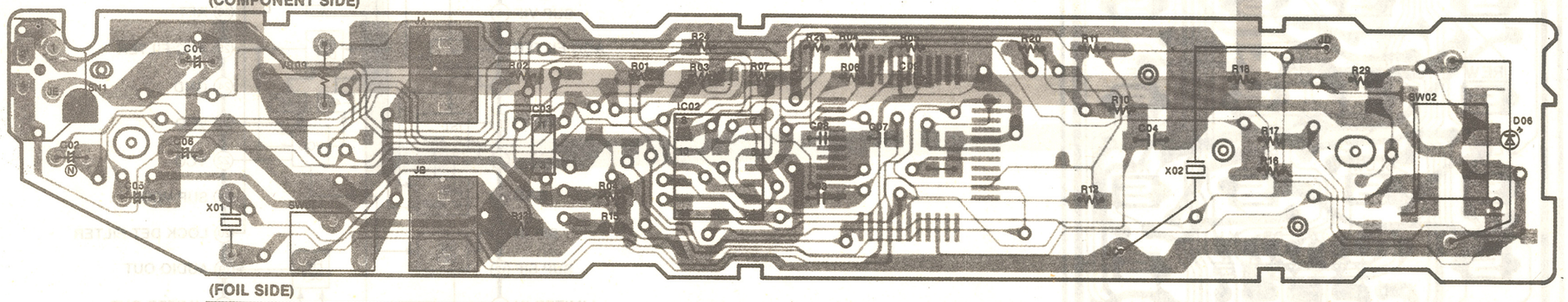
3-34. DIGITAL SCANNER SCHEMATIC DIAGRAM
——UNIT NO.: VEQ0653——



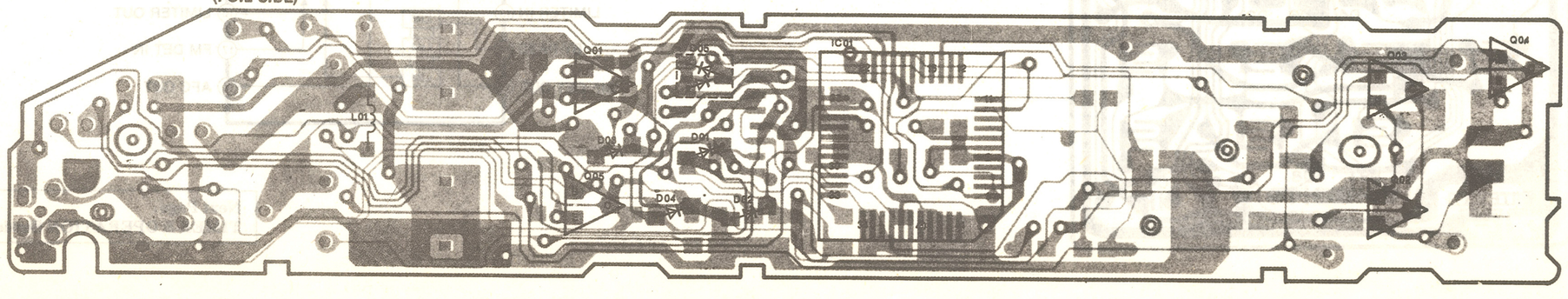
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

3-35. DIGITAL SCANNER C.B.A. (VEP66033C)

(COMPONENT SIDE)



(FOIL SIDE)



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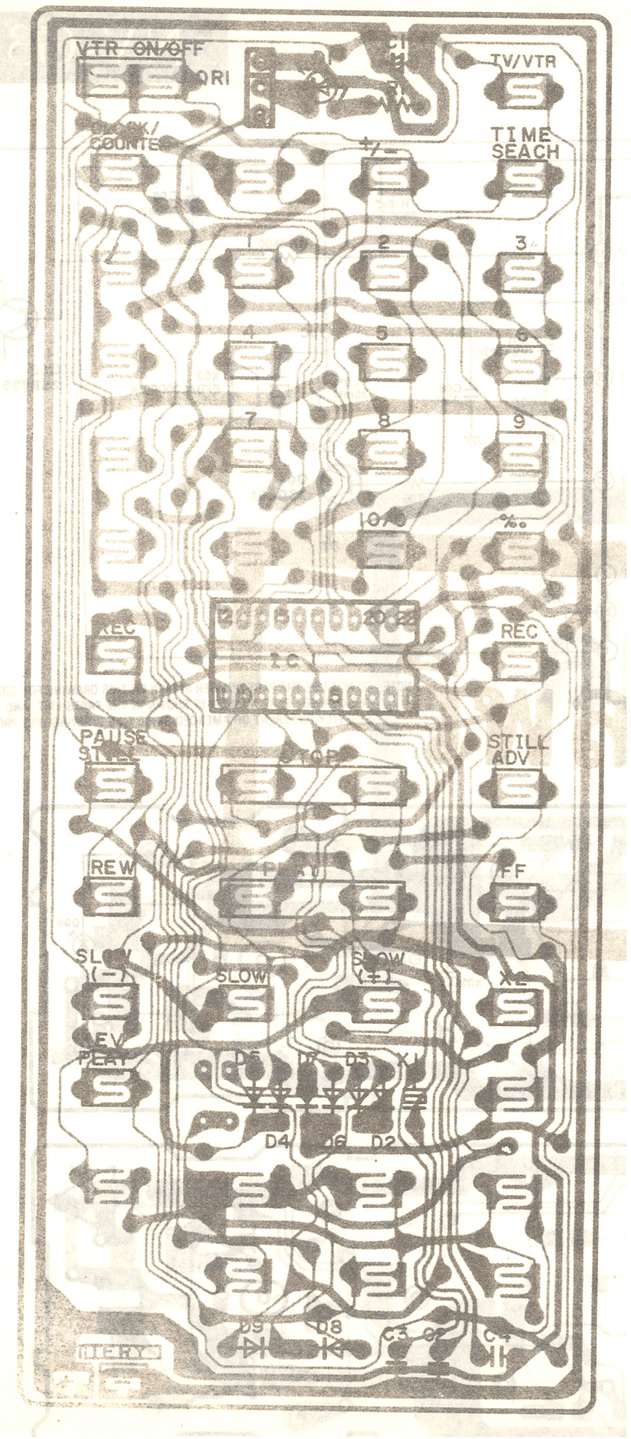
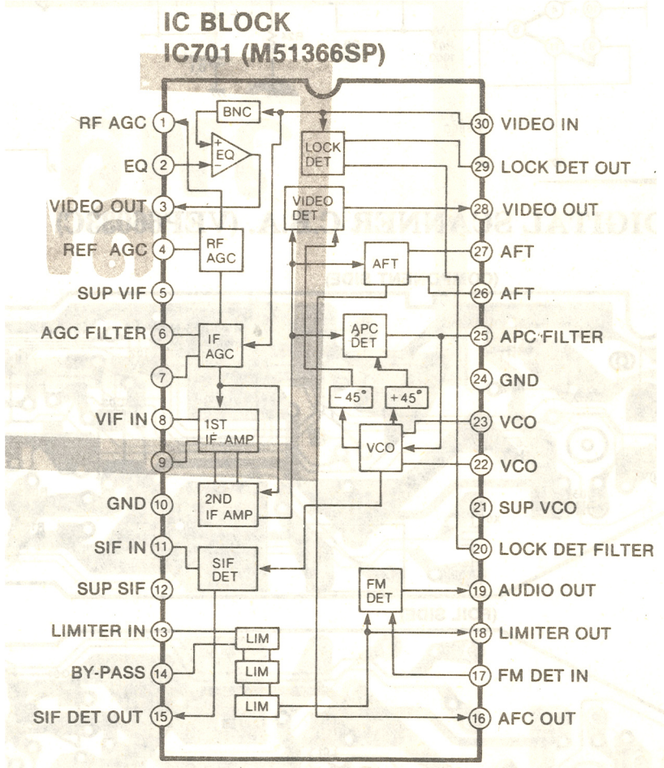
3-37. REMOTE CONTROLLER C.B.A. (VEP66038A)

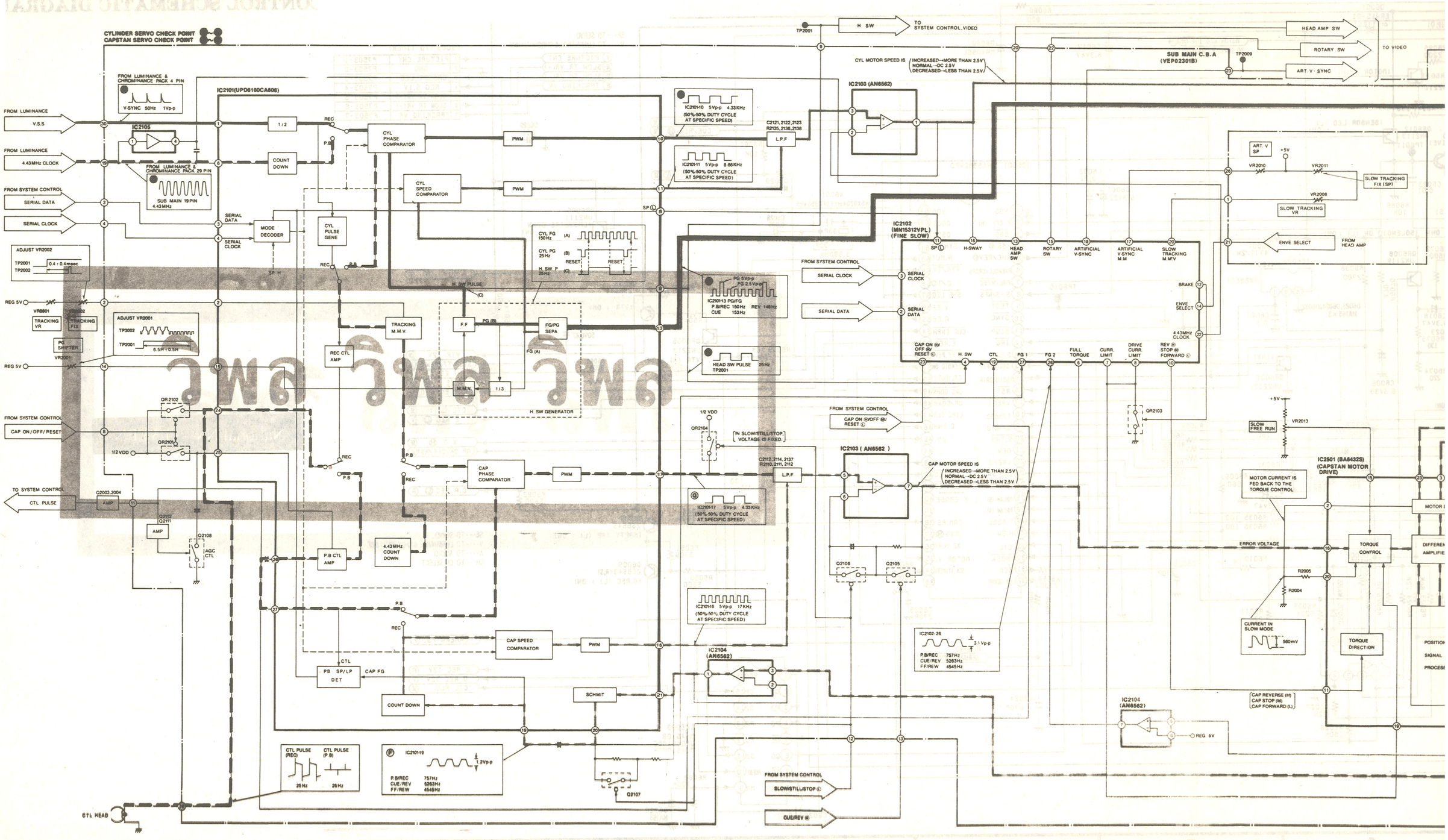


IC BLOCK
IC701 (M51366SP)



Next Page:
TIMER & OPERATION Section

3-2. SERVO BLOCK DIAGRAM



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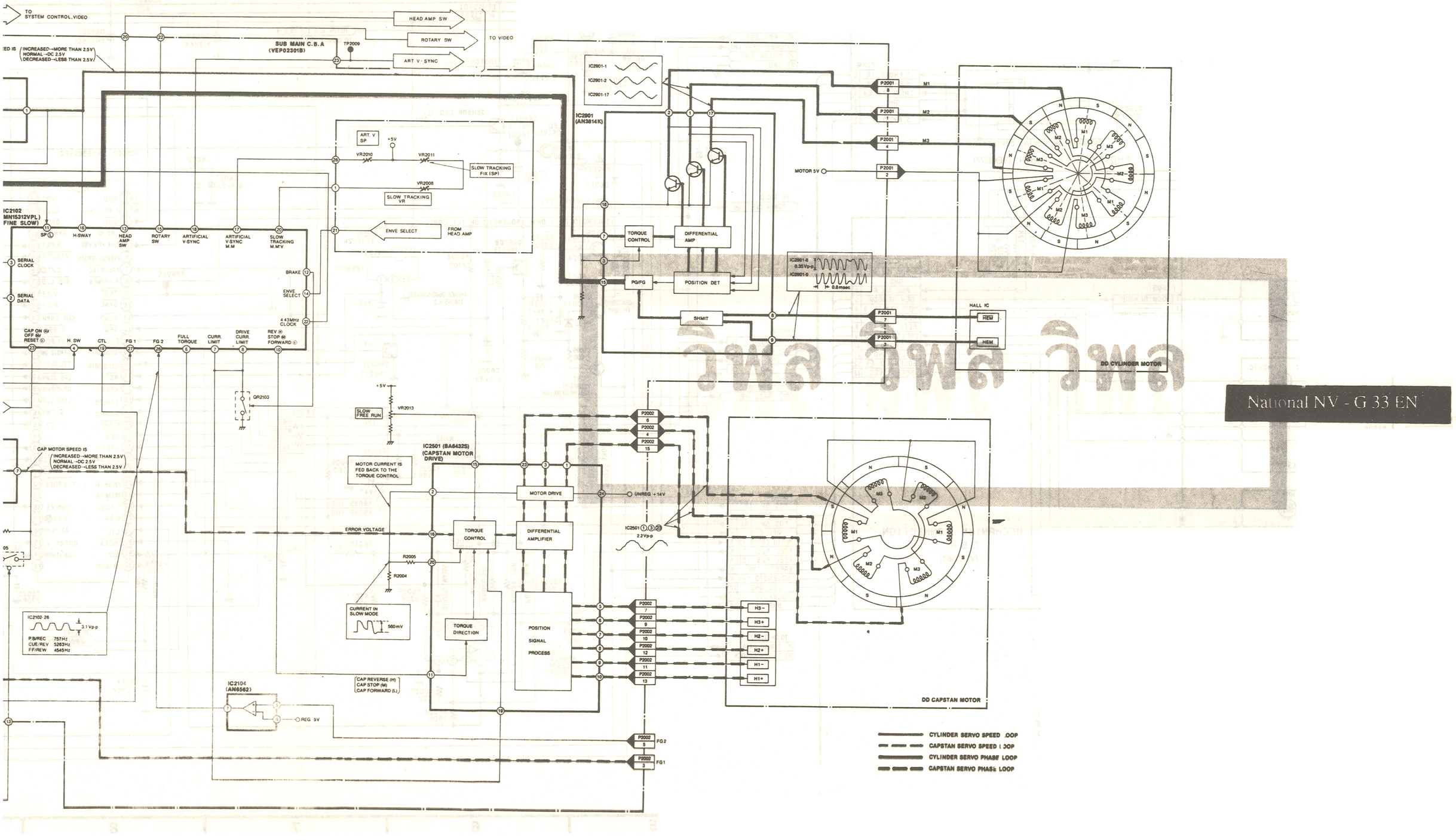
TO SYSTEM CONTROL, VIDEO
HEAD AMP SW
ROTARY SW
ART V-SYNC
TO VIDEO
SUB MAIN C.B.A (VEP02301B)
TP2009
(INCREASED→MORE THAN 2.5V\ NORMAL→DC 2.5V DECREASED→LESS THAN 2.5V/
IC2901-1
IC2901-2
IC2901-17
IC2901 (AN3914K)
P2001 8 M1
P2001 1 M2
P2001 4 M3
P2001 2
MOTOR 5V
ART. V SP
+5V
VR2010
VR2011
SLOW TRACKING FIX (SP)
VR2008
SLOW TRACKING VR
ENVE SELECT
FROM HEAD AMP
IC2102 (MN15312(PL) FINE SLOW)
SP
H-SWAY
HEAD AMP SW
ROTARY SW
ARTIFICIAL V-SYNC
ARTIFICIAL V-SYNC M.M
SLOW TRACKING M.MV
SERIAL CLOCK
SERIAL DATA
BRAKE
ENVE SELECT
4.43MHz CLOCK
CAP ON OFF RESET
H. SW
CTL
FG 1
FG 2
FULL TORQUE
CURR. LIMIT
DRIVE CURR. LIMIT
REV STOP FORWARD
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SHMIT
IC2901-8 0.35Vp-p
IC2901-9
0.8msec
HALL IC
REM
HEM
DD CYLINDER MOTOR
QR2103
+5V
SLOW FREE RUN
VR2013
IC2501 (BA6432S) (CAPSTAN MOTOR DRIVE)
P2002 6
P2002 4
P2002 15
MOTOR CURRENT IS FED BACK TO THE TORQUE CONTROL
MOTOR DRIVE
UNREG +14V
IC2501 1 3 23 2.2Vp-p
CAP MOTOR SPEED IS (INCREASED→MORE THAN 2.5V NORMAL→DC 2.5V DECREASED→LESS THAN 2.5V)
ERROR VOLTAGE
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
R2005
R2004
CURRENT IN SLOW MODE
560mV
TORQUE DIRECTION
POSITION SIGNAL PROCESS
P2002 5
P2002 7
P2002 9
P2002 10
P2002 12
P2002 11
P2002 13
H3−
H3+
H2−
H2+
H1−
H1+
IC2102 26
3.1 Vp-p
P.B/REC 757Hz
CUE/REV 5263Hz
F.F/REW 4545Hz
IC2104 (AN6562)
REG 5V
P2002 5 FG2
P2002 3 FG1
DD CAPSTAN MOTOR
CYLINDER SERVO SPEED LOOP
CAPSTAN SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CAPSTAN SERVO PHASE LOOP

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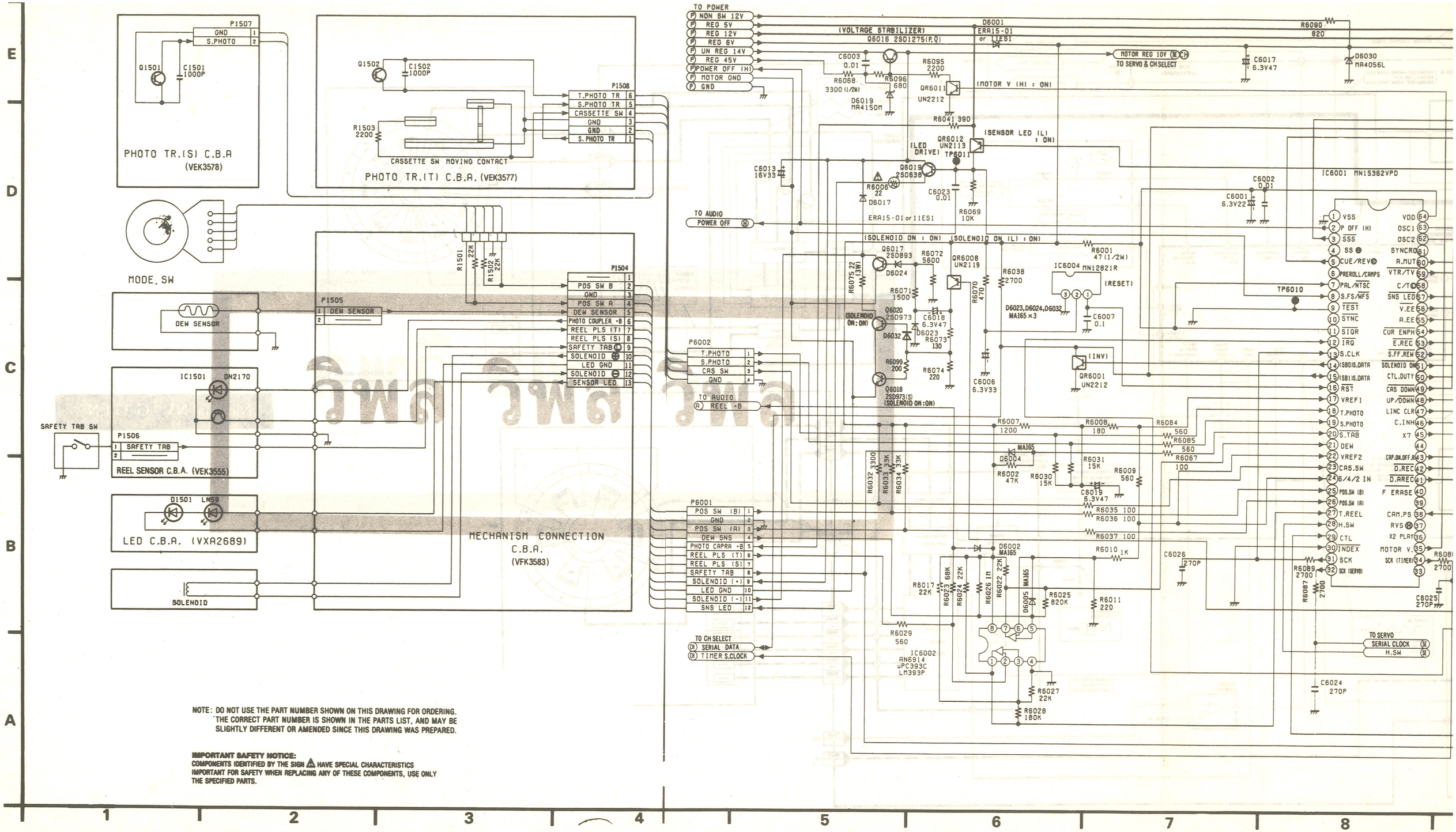
PHOTO TR.(S) C.B.A (VEK3578)
PHOTO TR.(T) C.B.A. (VEK3577)
CASSETTE SW MOVING CONTACT
MODE. SW
DEW SENSOR
REEL SENSOR C.B.A. (VEK3555)
LED C.B.A. (VXA2689)
SOLENOID
MECHANISM CONNECTION C.B.A. (VFK3583)
SAFETY TAB SW
TO POWER
(VOLTAGE STABILIZER) Q6016 2SD1275(P,Q)
MOTOR REG 10V
TO SERVO & CH SELECT
(MOTOR V (H) : ON)
(SENSOR LED (L) : ON)
(LED DRIVE)
TO AUDIO POWER OFF
(SOLENOID ON : ON)
(SOLENOID ON (L) : ON)
IC6001 MN15362VPD
IC6004 MN12821R
(RESET)
(INV)
TP6010
TO AUDIO REEL +B
TO CH SELECT
SERIAL DATA
TIMER S.CLOCK
TO SERVO
SERIAL CLOCK
H.SW
IC6002 AN6914 uPC393C LM393P
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

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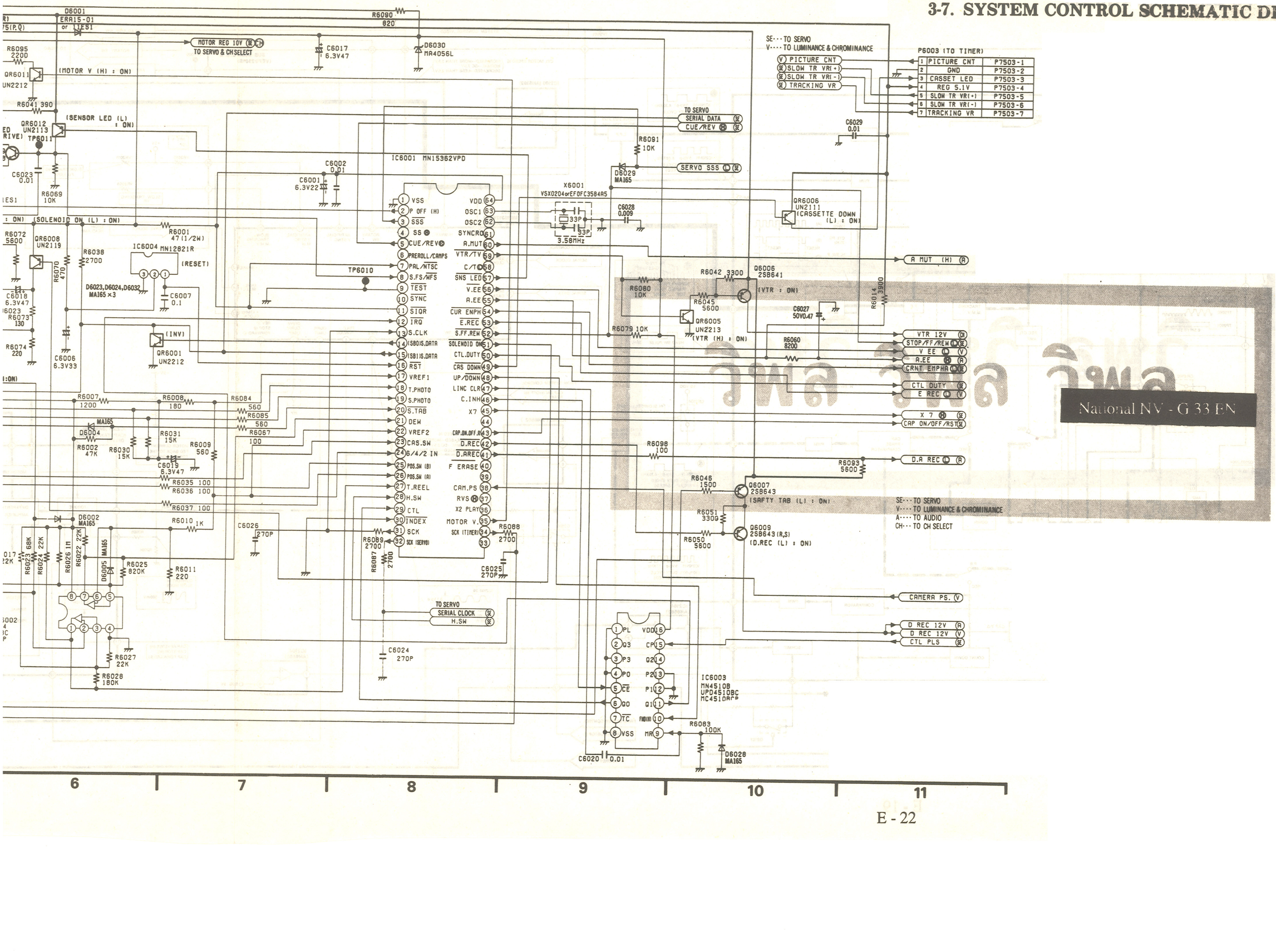
3-7. SYSTEM CONTROL SCHEMATIC DIAGRAM



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National NV - G 33 EN

SYSTEM CONTROL ICs VOLTAGE CHART

REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	0	1.3	5.2	0.5	0	4.1	5.2	0	4.8	0.3	5.1	5.2	3.0	3.3	3.3	0.5
PLAY	0	0	5.3	0	0	1.6	5.3	0.5	0	4.1	5.3	0.1	4.8	0.3	5.1	5.2	3.0	3.4	3.4	0.5
REC	0	0	5.2	0	0	1.8	5.2	0.5	0	4.1	5.2	2.6	4.8	0.3	5.1	5.2	3.0	3.3	3.3	0.5
F.F	0	0	5.1	0	0	1.4	5.2	0.6	0	4.0	5.2	2.0	4.8	0.3	5.1	5.2	3.0	3.3	3.3	0.5
REW	0	0	5.1	0	0	1.4	5.2	0.6	0	4.0	5.2	2.0	4.8	0.3	5.1	5.2	3.0	3.3	3.3	0.5

REF. NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	2.1	2.1	2.1	2.2	5.3	5.1	0	5.4	0	4.8	5.2	5.1	4.8	0	0	0	5.2	1.3	1.3
PLAY	0	2.1	2.1	2.1	5.4	0	2.6	2.6	2.6	0	4.8	5.2	5.1	4.8	5.2	0	0	5.3	1.3	1.3
REC	0	2.1	2.1	2.1	5.4	0	2.6	2.6	2.6	0	4.8	5.2	5.1	4.8	5.2	0	0.1	5.3	0.1	0.1
F.F	0	2.0	2.1	2.0	2.2	5.3	2.6	0	2.7	0.1	4.8	5.1	5.0	4.8	0	0	0	5.2	1.3	1.3
REW	0	2.0	2.1	2.0	2.2	5.3	2.6	0	2.7	0	4.8	5.1	5.0	4.8	0	0	0	5.2	1.4	1.4

REF. NO.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	10.0	12.3	1.7	0	0.1	5.2	5.2	0	0.1	5.2	5.3	0.1	0.3	0	5.0	0	4.4	0	5.2	0
PLAY	10.0	12.3	5.3	0	0.1	0	5.3	5.3	0.1	5.3	5.4	4.7	0.3	4.7	0.1	5.0	4.5	0	5.2	0
REC	0.3	0.3	5.2	0.1	0.1	0.1	5.2	5.2	0.1	5.2	5.4	4.7	5.1	4.7	5.1	0	4.4	0	5.2	0
F.F	10.0	12.3	5.2	0	0.1	0	5.2	5.2	0.1	5.2	5.3	0.1	0.3	0	5.0	0.1	4.4	0	5.2	0
REW	10.0	12.3	5.2	0	0.1	0	5.2	0	0.1	5.2	5.3	0.1	0.3	0	5.0	0.1	4.4	0	5.2	0

REF. NO.	IC6001																			
MODE	61	62	63	64																
STOP	5.2	2.1	2.3	5.2																
PLAY	5.3	2.1	2.3	5.3																
REC	5.3	2.1	2.3	5.3																
F.F	5.2	2.1	2.3	5.2																
REW	5.2	2.1	2.3	5.2																

REF. NO.	IC6002																			
MODE	1	2	3	4	5	6	7	8												
STOP	5.1	0.2	2.8	0	0	0.4	0	5.4												
PLAY	2.6	2.6	2.6	0	0	0.4	0	5.4												
REC	2.6	2.6	2.6	0	0	0.4	0	5.4												
F.F	2.6	2.6	2.6	0	0	0.4	0	5.4												
REW	2.6	2.6	2.6	0	0	0.4	0	5.4												

REF. NO.	IC6003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	5.2	5.4	5.4	0	0	0	0	0	0	5.4	0.9	5.4				
PLAY	0	2.6	0	0	0	2.6	5.4	0	0	5.3	0	0	0	2.6	0.4	5.4				
REC	0	2.6	0	0	0.1	2.6	5.4	0	0	5.3	2.6	0	0	2.6	2.6	5.4				
F.F	0	1.0	0	0	0	2.7	4.8	0	0	5.2	2.0	0	0	2.0	1.2	5.4				
REW	0	1.0	0	0	0	2.7	4.8	0	0	0	2.2	0	0	2.1	1.2	5.3				

REF. NO.	IC6004																			
MODE	1	2	3																	
STOP	5.2	5.4	0																	
PLAY	5.2	5.4	0																	
REC	5.2	5.4	0																	
F.F	5.2	5.4	0																	
REW	5.2	5.4	0																	

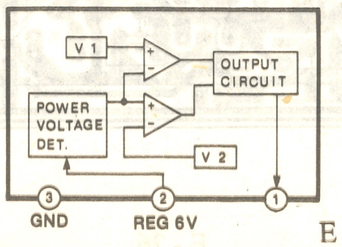
SYSTEM CONTROL TRANSISTORs VOLTAGE CHART

REF. NO.	Q6006			Q6007			Q6009			Q60016			Q60017			Q6018		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	12.3	12.1	11.4	12.3	12.3	11.6	12.3	−0.2	12.3	14.5	15.6	15.7	0	15.6	0.1	0	0	0
PLAY	12.3	12.1	11.4	12.3	12.3	11.6	12.3	−0.2	12.3	10.7	15.3	11.9	0	15.3	0.2	0	0	0
REC	12.3	12.1	11.4	12.3	12.1	11.5	12.1	11.9	11.4	10.7	15.3	11.9	0	15.3	0.2	0	0	0
F.F	12.3	12.1	11.4	12.3	12.3	11.6	12.3	−0.2	12.3	14.5	15.6	15.7	0	15.6	0.1	0	0	0
REW	12.3	12.1	11.4	12.3	12.3	11.6	12.3	−0.2	12.3	14.5	15.6	15.7	0	15.6	0.1	0	0	0

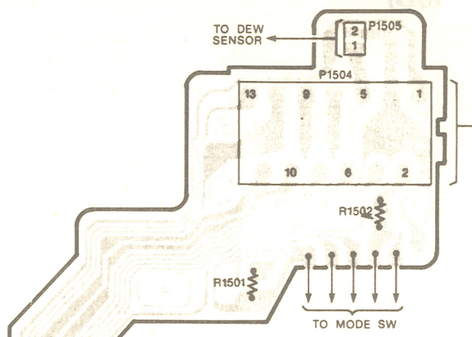
REF. NO.	Q6019			Q6020		
MODE	E	C	B	E	C	B
STOP	0.6	14.5	0.5	0	15.6	0
PLAY	0.6	10.7	0.5	0	15.3	0
REC	0.6	10.7	0.5	0	15.3	0
F.F	0.6	14.4	0.5	0	15.6	0
REW	0.6	14.4	0.5	0	15.6	0

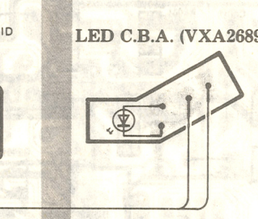
REF. NO.	QR6001			QR6005			QR6006			QR6008			QR6011			QR6012		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	5.1	0.3	0	0.1	5.2	5.0	4.9	0.1	5.4	0	5.4	0	15.7	0	5.0	0.6	4.4
PLAY	0	5.1	0.3	0	0.1	5.2	5.0	4.9	0.1	5.4	0	5.4	0	0.1	5.2	5.0	0.6	4.4
REC	0	5.1	0.2	0	0.1	5.2	5.1	4.9	0.1	5.4	0	5.4	0	0.1	5.2	5.1	0.6	4.5
F.F	0	5.1	0.3	0	0.1	5.2	5.0	4.9	0.1	5.4	0	5.4	0	15.7	0	5.0	0.6	4.4
REW	0	5.1	0.3	0	0.1	5.2	5.0	4.9	0.1	5.4	0	5.4	0	15.7	0	5.0	0.6	4.4

IC BLOCK
IC6004 (MN12821R)



MECHANISM CONNECTION C.B.A. (VEK3583)





REEL SENSOR C.B.A. (VEK3555)

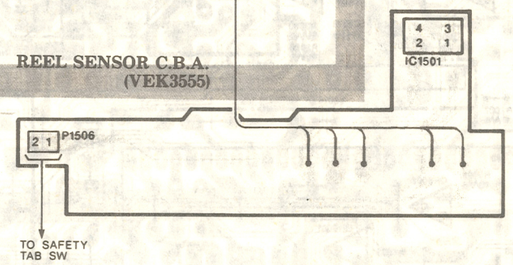
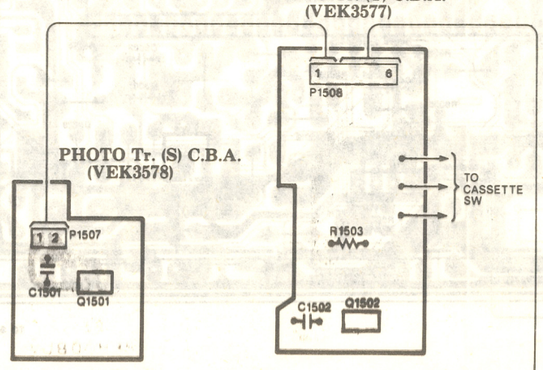
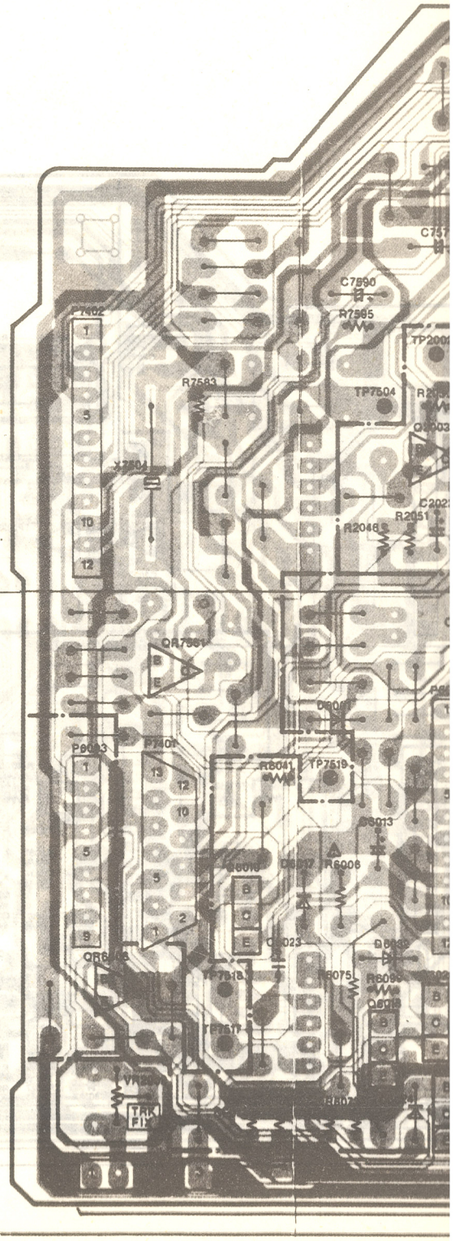


PHOTO Tr. (T) C.B.A. (VEK3577)

PHOTO Tr. (S) C.B.A. (VEK3578)

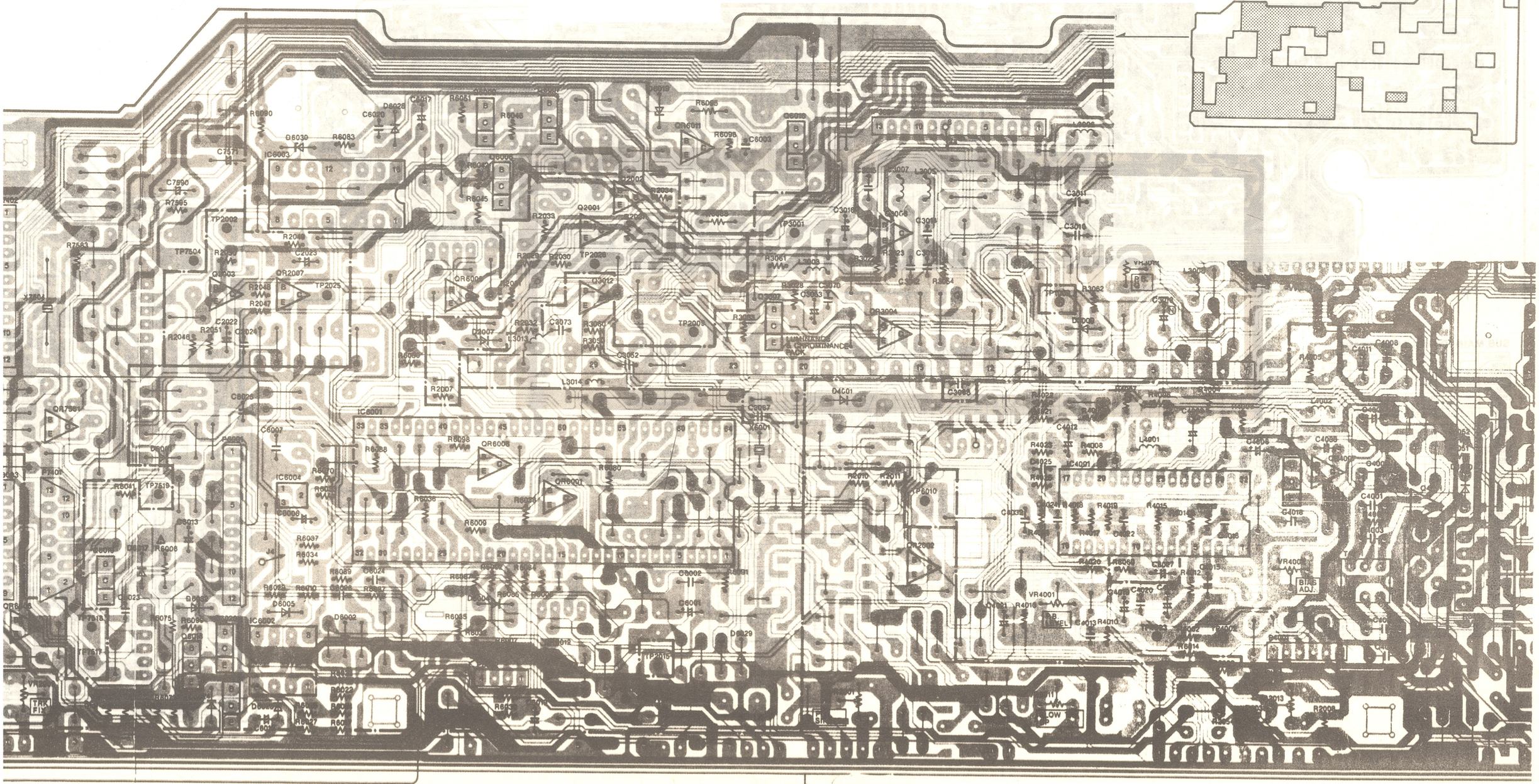




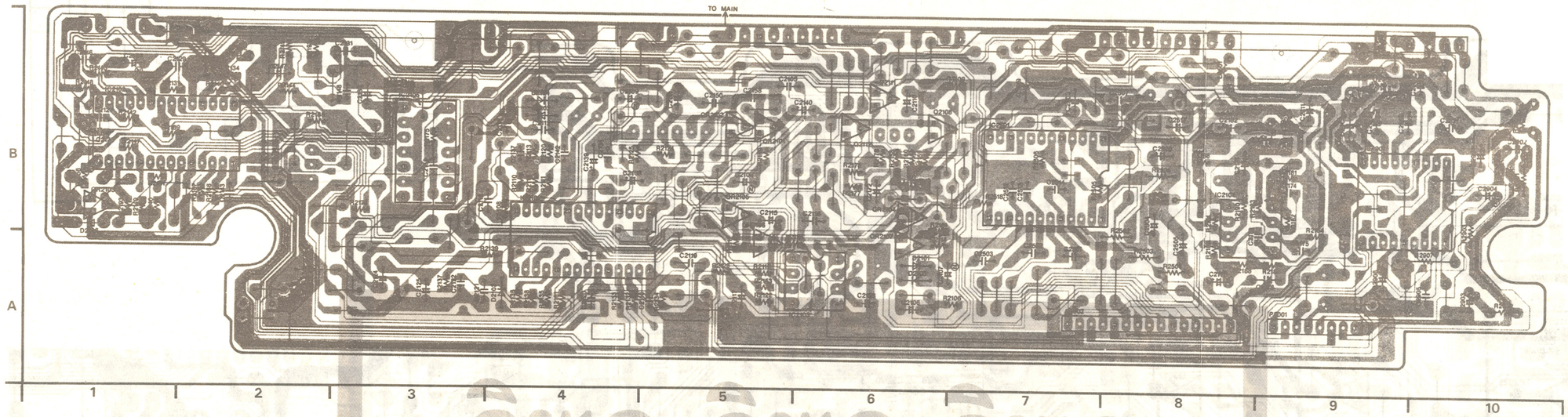
วิพล วิพล วิพล

YSTEM CONTROL Section In Main C.B.A. (VEP03493B)

National NV - G 33 EN



3-11. SUB MAIN C.B.A. (VEP02301B)



SUB MAIN ICs VOLTAGE CHART

REF. NO.	IC2101																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	2.6	0.8	5.0	5.2	5.0	2.4	0	0	2.6	2.4	2.5	5.0	1.1	0	0.2	2.5	2.6	5.0	2.5	2.5
REC	2.6	0.8	5.0	5.1	5.0	2.4	0	0	2.6	2.4	2.4	5.0	1.1	0	0.2	2.5	2.6	5.0	2.5	2.5

REF. NO.	IC2101							
MODE	21	22	23	24	25	26	27	28
PLAY	2.5	2.5	2.5	2.6	2.5	1.3	2.7	0
REC	2.5	2.5	2.5	2.6	3.0	2.6	2.6	0

REF. NO.	IC2102																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	5.0	5.1	5.2	2.6	0	2.6	5.0	0.7	0	0	0	0	0	4.5	2.6	2.4	0.4	0	2.6	0.1
REC	5.0	5.1	5.2	2.6	0	2.6	5.0	0.7	0	0	0	0	0	0.2	2.6	2.4	0.4	0	2.6	0

REF. NO.	IC2102								
MODE	21	22	23	24	25	26	27	28	
PLAY	2.5	2.2	5.0	0	2.4	2.5	2.6	2.5	
REC	2.5	2.2	5.0	0	2.4	2.5	2.6	2.5	

REF. NO.	IC2103								IC2104							
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
PLAY	2.4	2.4	2.5	0	2.5	2.5	2.6	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0
REC	2.4	2.4	2.5	0	2.5	2.5	2.8	5.0	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0

REF. NO.	IC2105													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PLAY	2.4	2.4	2.4	2.2	0	5.0	0	5.0	0	5.0	0	5.0	0	5.0
REC	2.4	2.4	2.4	2.2	0	5.0	0	5.0	0	5.0	0	5.0	0	5.0

REF. NO.	IC2501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	1.4	0.1	1.8	0	1.8	1.8	1.9	1.9	1.9	1.9	0.4	0	5.0	3.3	2.9	2.6	4.2	4.0	0.7	0.1
REC	1.4	0.1	1.8	0	1.8	1.8	1.9	1.9	1.9	1.9	0.4	0	5.0	3.3	2.9	2.6	4.2	4.0	0.7	0.1

REF. NO.	IC2501			
MODE	21	22	23	24
PLAY	0	4.3	1.6	10.6
REC	0	4.3	1.6	10.6

REF. NO.	IC2901																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PLAY	10.5	10.5	0.1	0.5	0	2.5	2.4	0.6	0.5	2.7	5.0	3.7	3.7	3.7	1.1	10.6	10.5	0.1
REC	10.5	10.5	0.1	0.5	-0	2.5	2.4	0.6	0.5	2.7	5.0	3.7	3.7	3.7	1.1	10.6	10.5	0.1

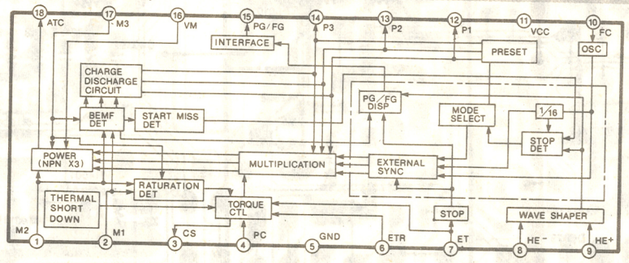
SUB MAIN TRANSISTORS VOLTAGE CHART

REF. NO.	Q2108			Q2111			Q2112		
MODE	E	C	B	E	C	B	E	C	B
PLAY	0	0	0.5	1.6	5.0	1.2	0.3	2.4	0.9
REC	0	0	0.2	3.0	5.0	2.6	0.6	0.6	1.2

REF. NO.	QR2101			QR2102			QR2103			QR2104			QR2105			QR2106		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	2.5	2.5	4.6	2.5	2.6	4.6	0	0.7	0	2.5	2.5	5.1	2.6	2.6	0	2.6	2.5	5.1
REC	2.5	3.0	4.6	2.5	2.6	4.6	0	0.7	0	2.5	2.6	5.1	2.6	2.6	0	2.6	2.5	5.1

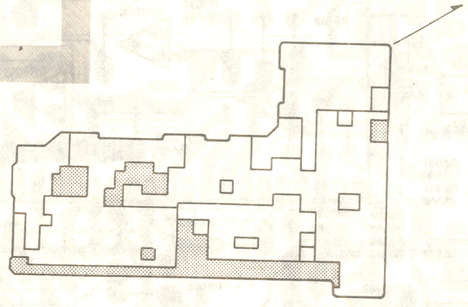
REF. NO.	Q2107		
MODE	E	C	B
PLAY	2.5	2.5	5.1
REC	2.5	2.5	5.1

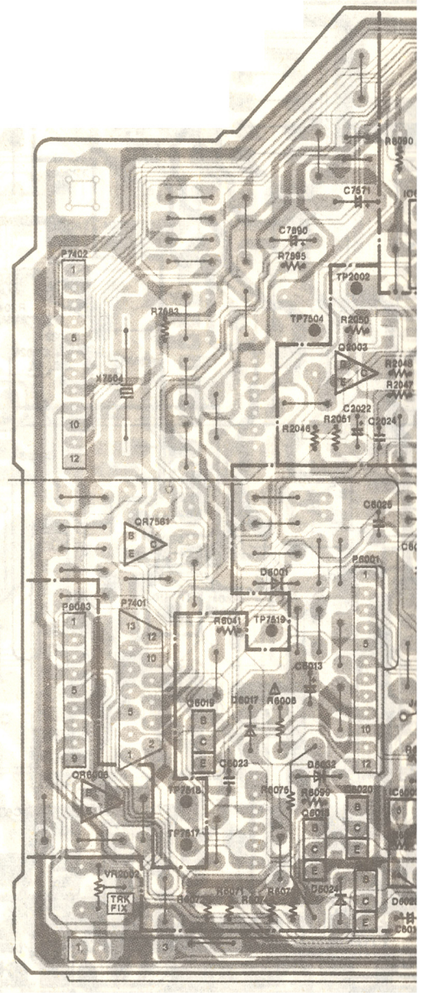
IC BLOCK
IC2901 (AN3814K)



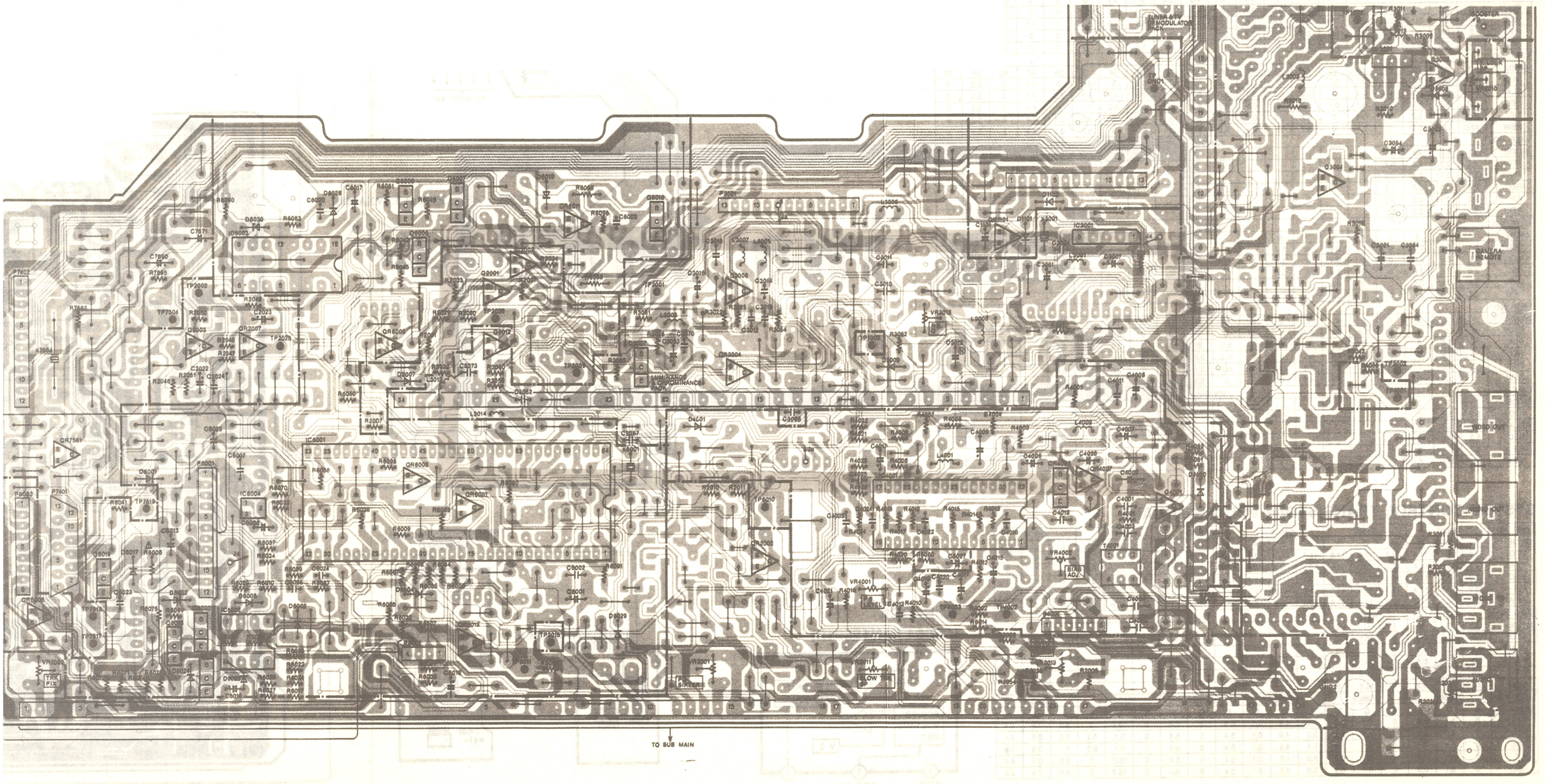
SUB MAIN C.B.A.	
Transistor	
Q2108	B-6
Q2111	B-6
Q2112	B-6
Transistor & Resistor	
QR2101	B-5
QR2102	B-5
QR2103	B-1
QR2104	B-6
QR2105	B-5
QR2106	A-5
QR2107	A-6
Integrated Circuit	
IC2101	B-4
IC2102	B-1
IC2103	A-6
IC2104	B-6
IC2105	B-3
IC2501	B-7
IC2901	B-9
Connector	
P2001	A-9
P2002	A-7

ADDRESS INFORMATION





12. SERVO Section In Main C.B.A. (VEP03493B)



3-13. LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN REC MODE

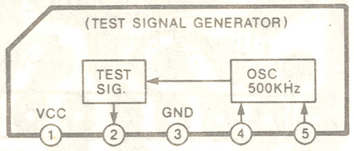
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

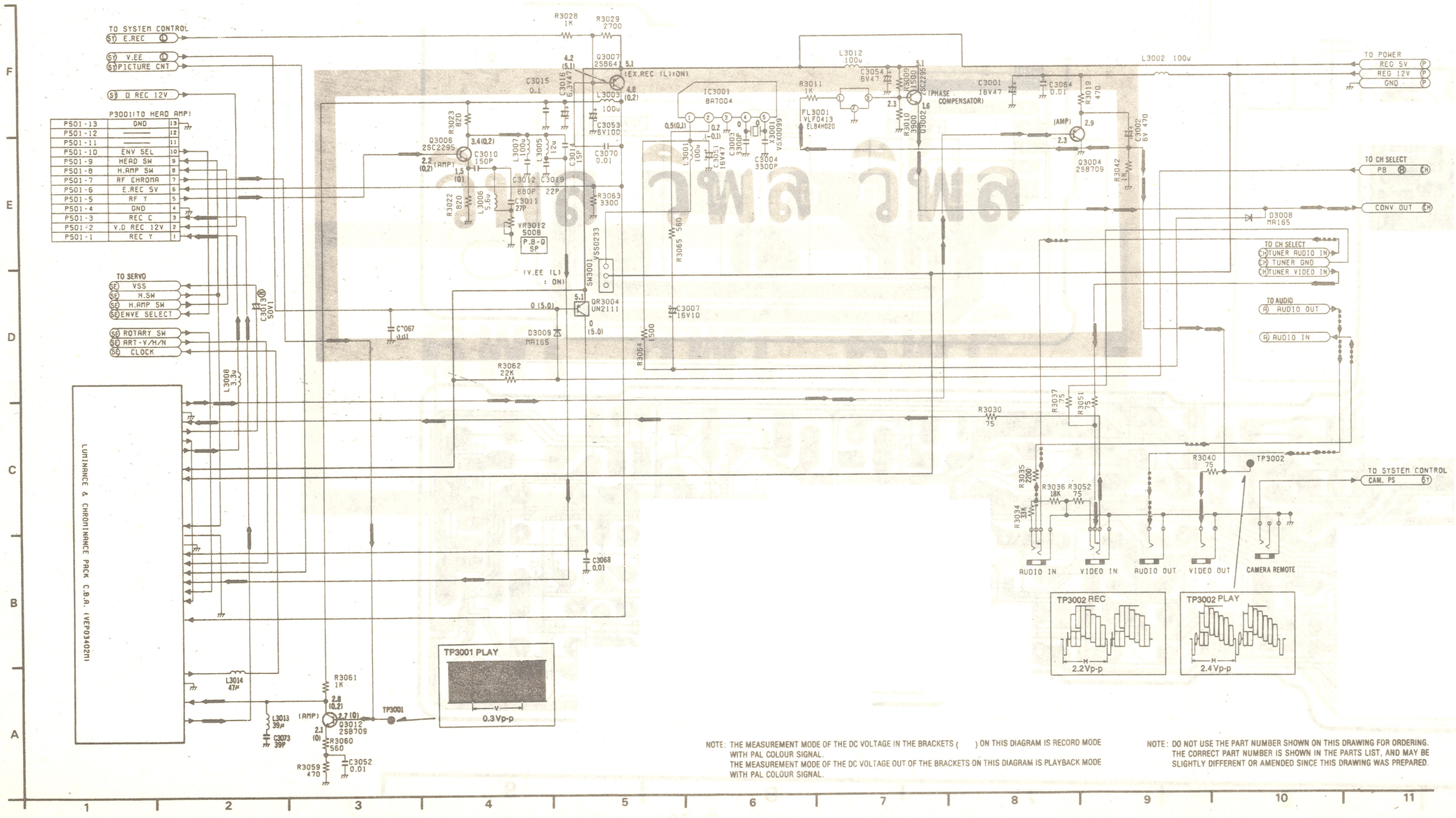
AUDIO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

IC BLOCK

IC3001 (BA7004)





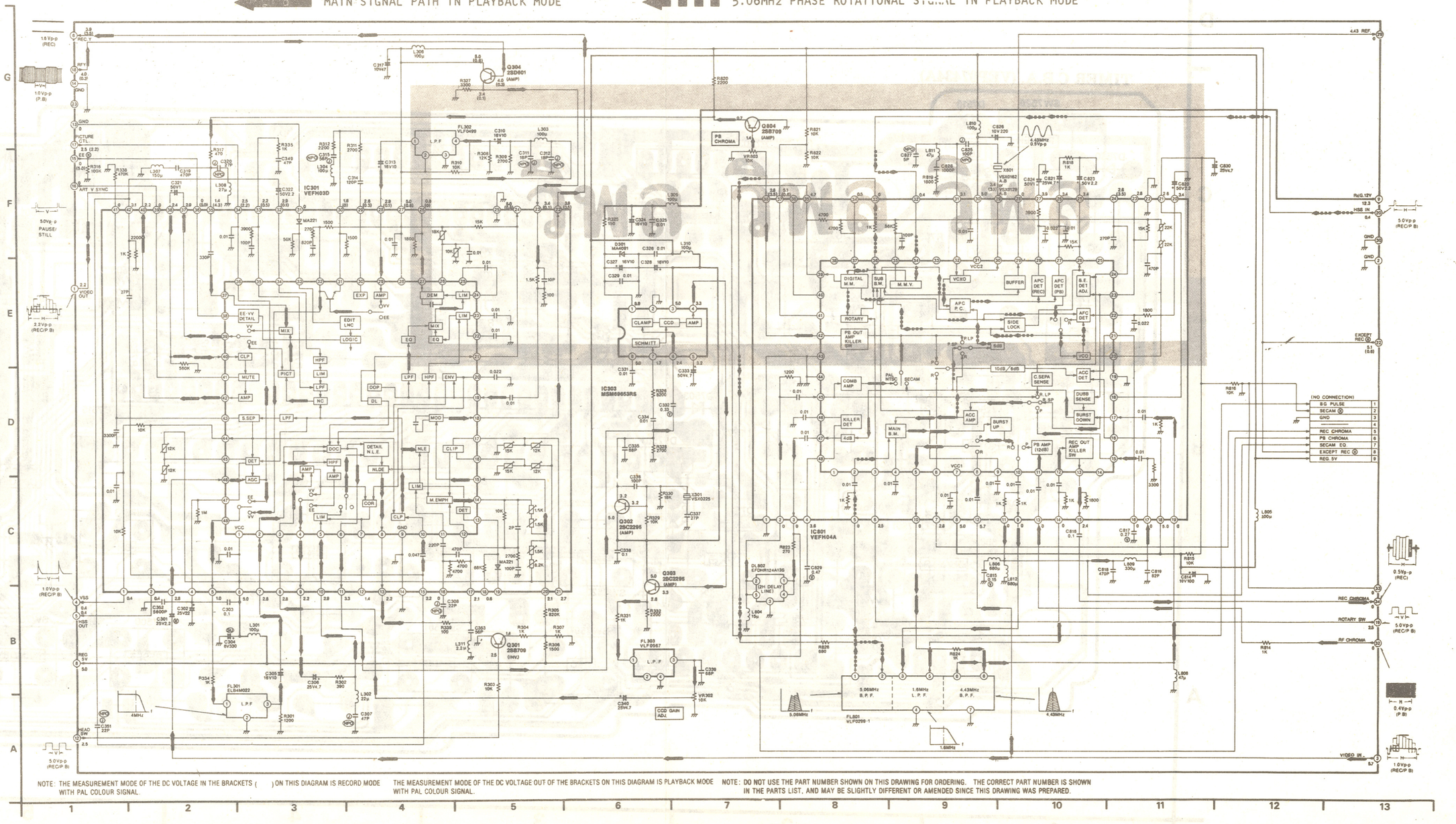
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

สกด วิพล วิพล

3-14. LUMINANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PLAYBACK MODE
5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE
5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE



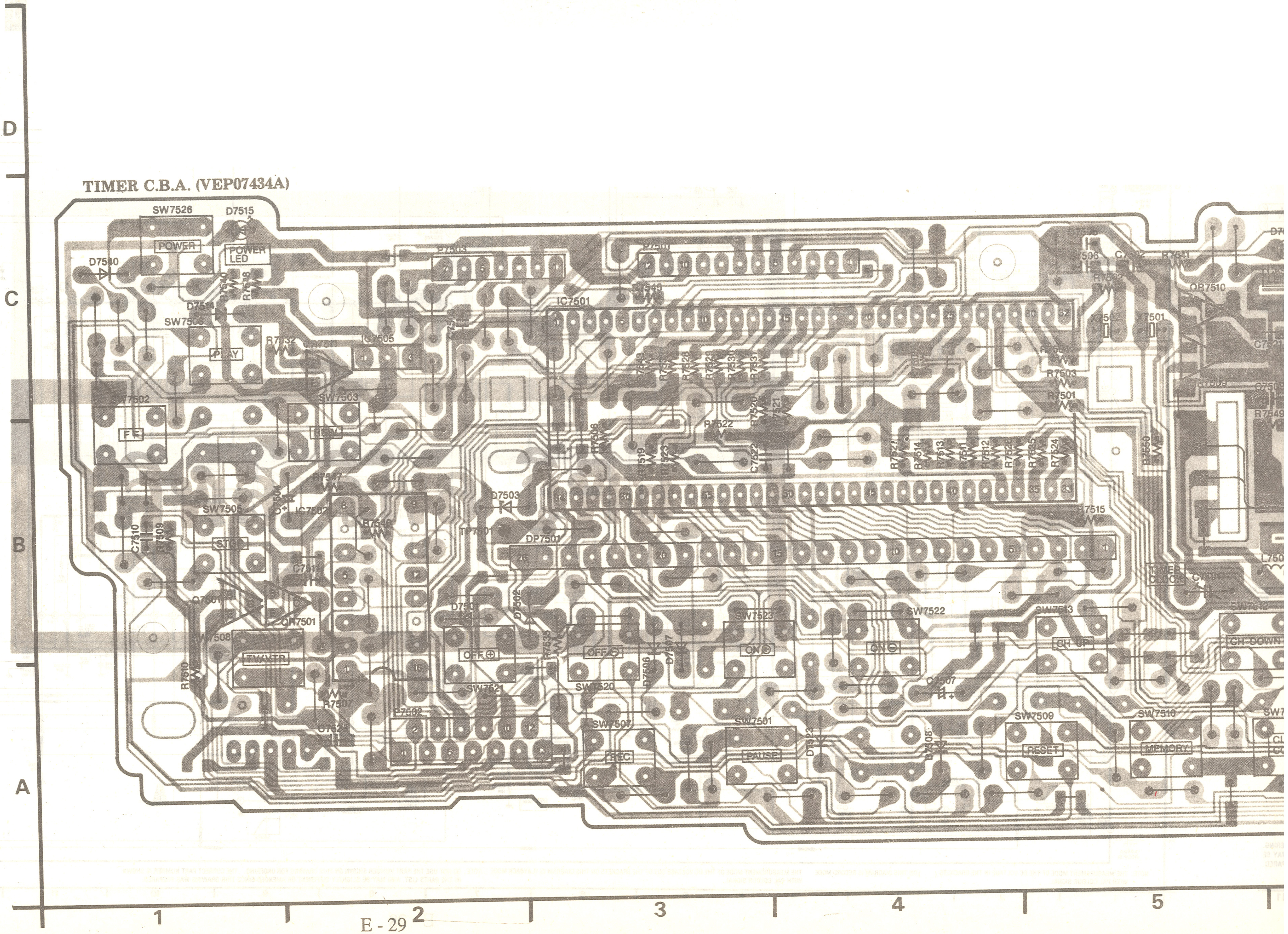
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

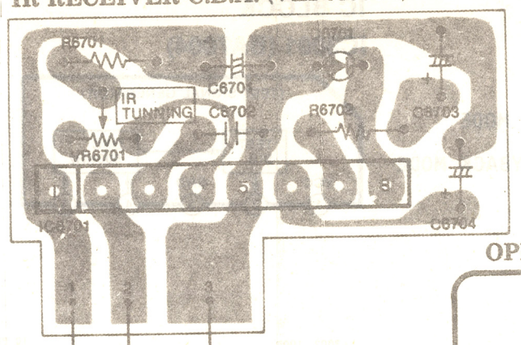
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3-26. TIMER C.B.A. (VEP07434A) & OPERATION C.B.A. (VEP06464A)

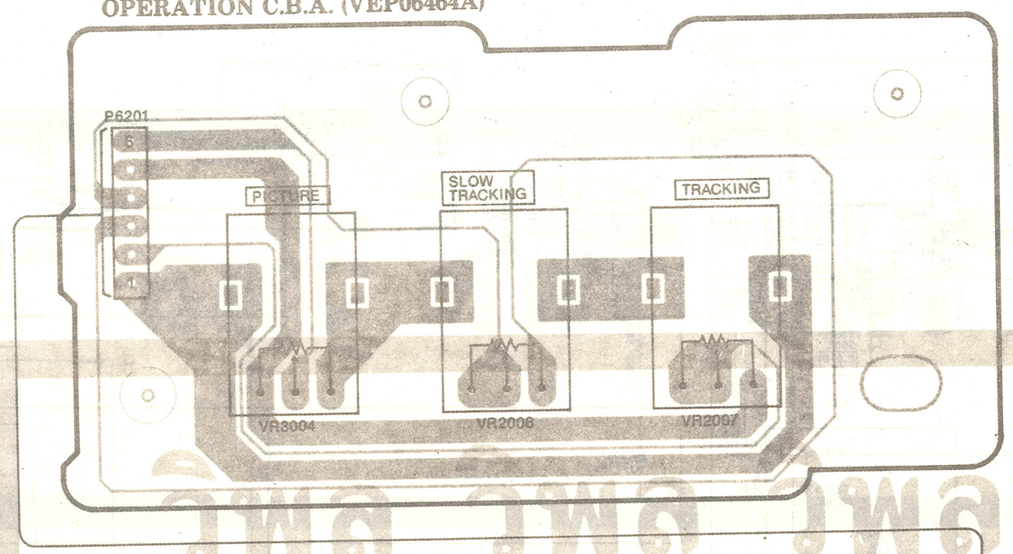
TIMER C.B.A. (VEP07434A)

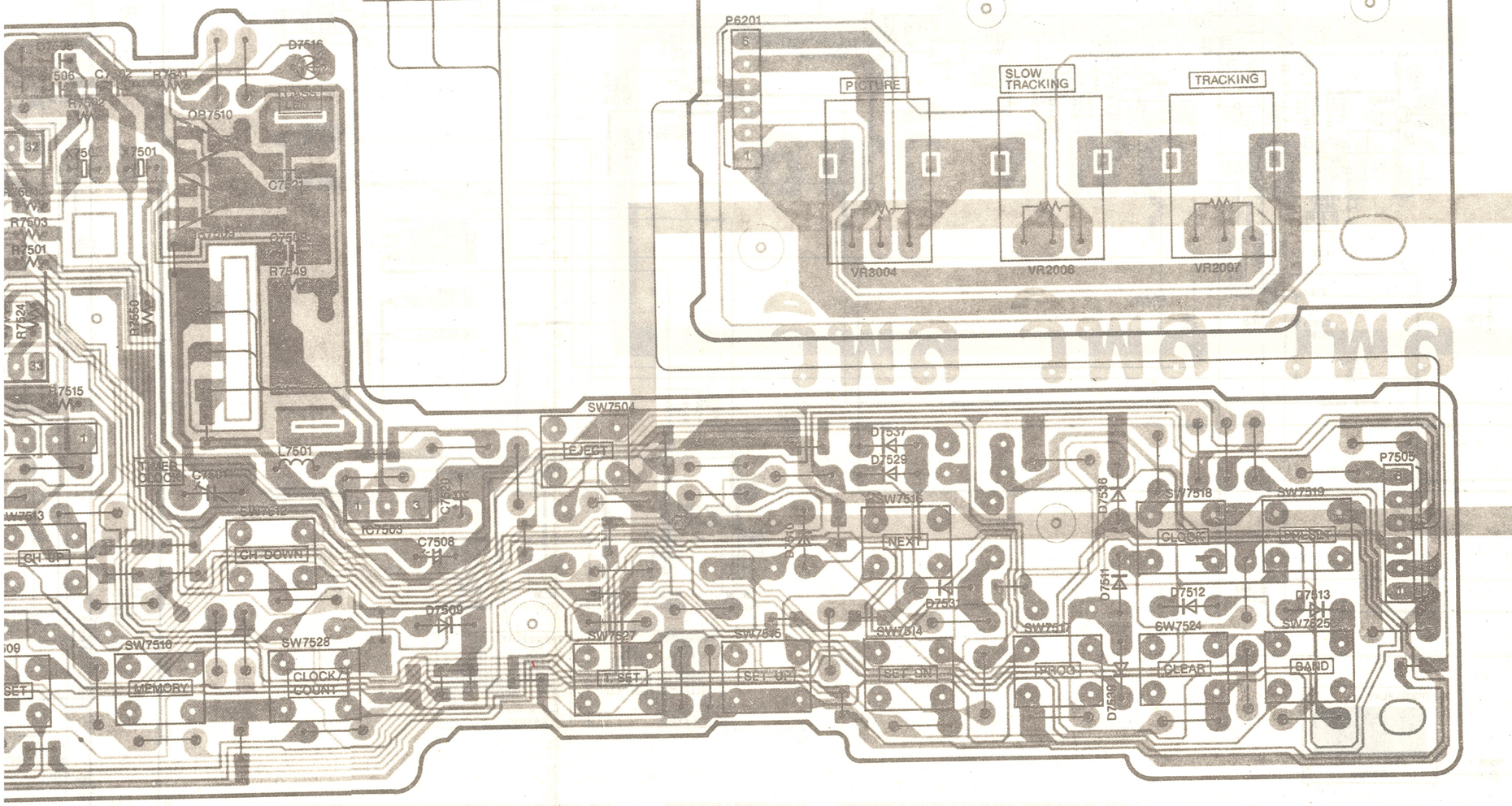


IR RECEIVER C.B.A. (VEP06380E)

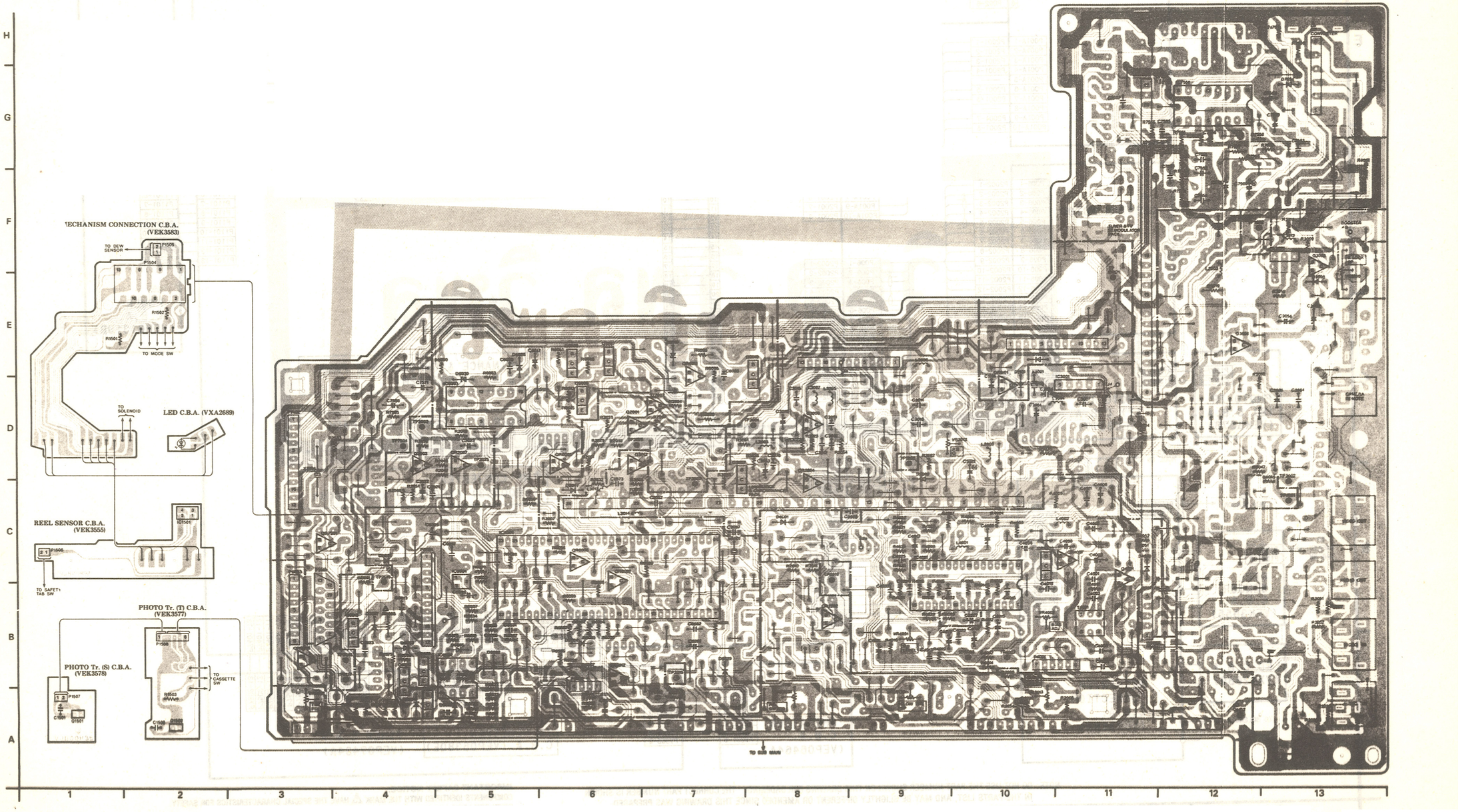


OPERATION C.B.A. (VEP06464A)

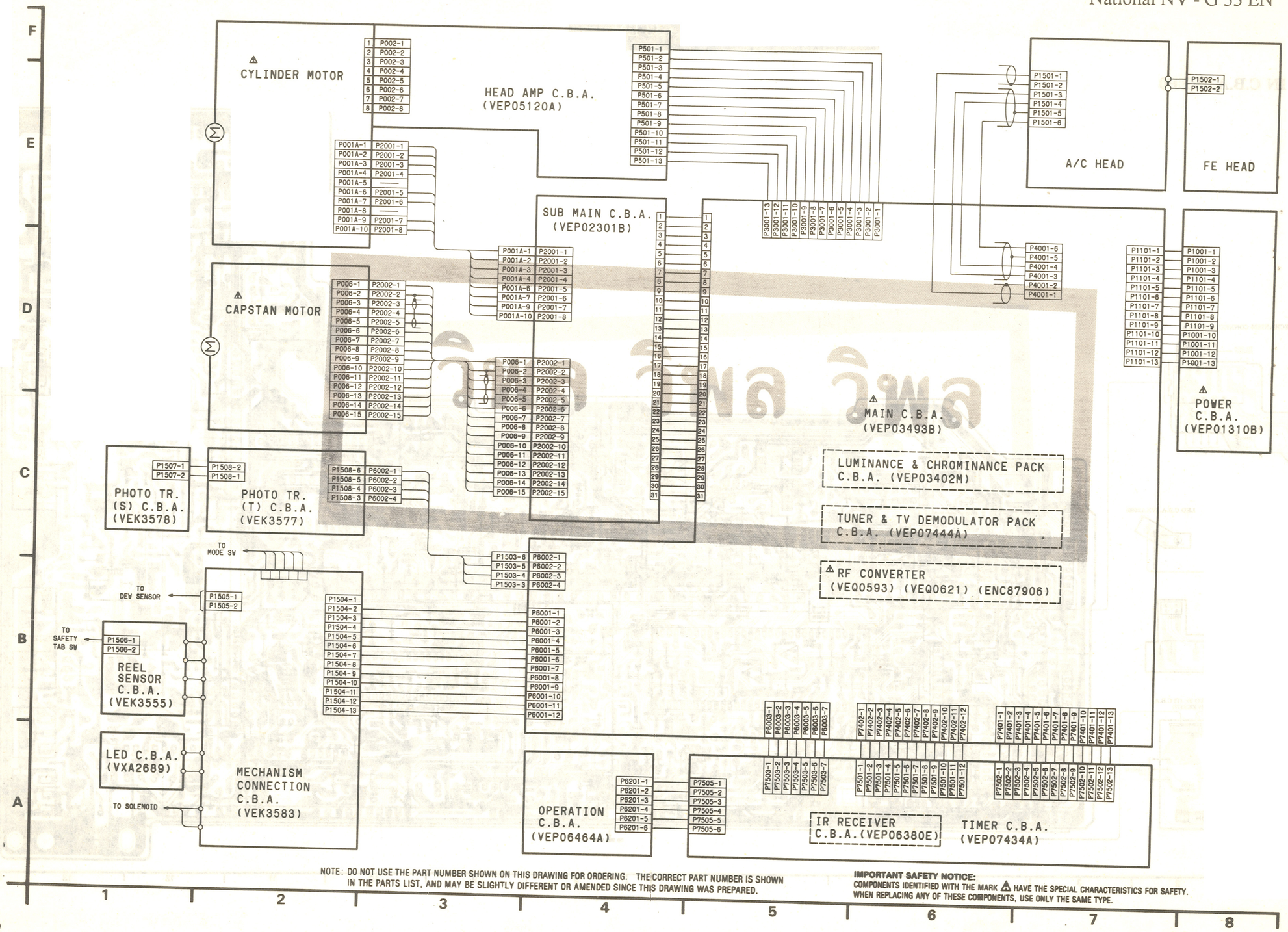




3-33. MAIN C.B.A. (VEP03493B)



3-38. INTERCONNECTION SCHEMATIC DIAGRAM



NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

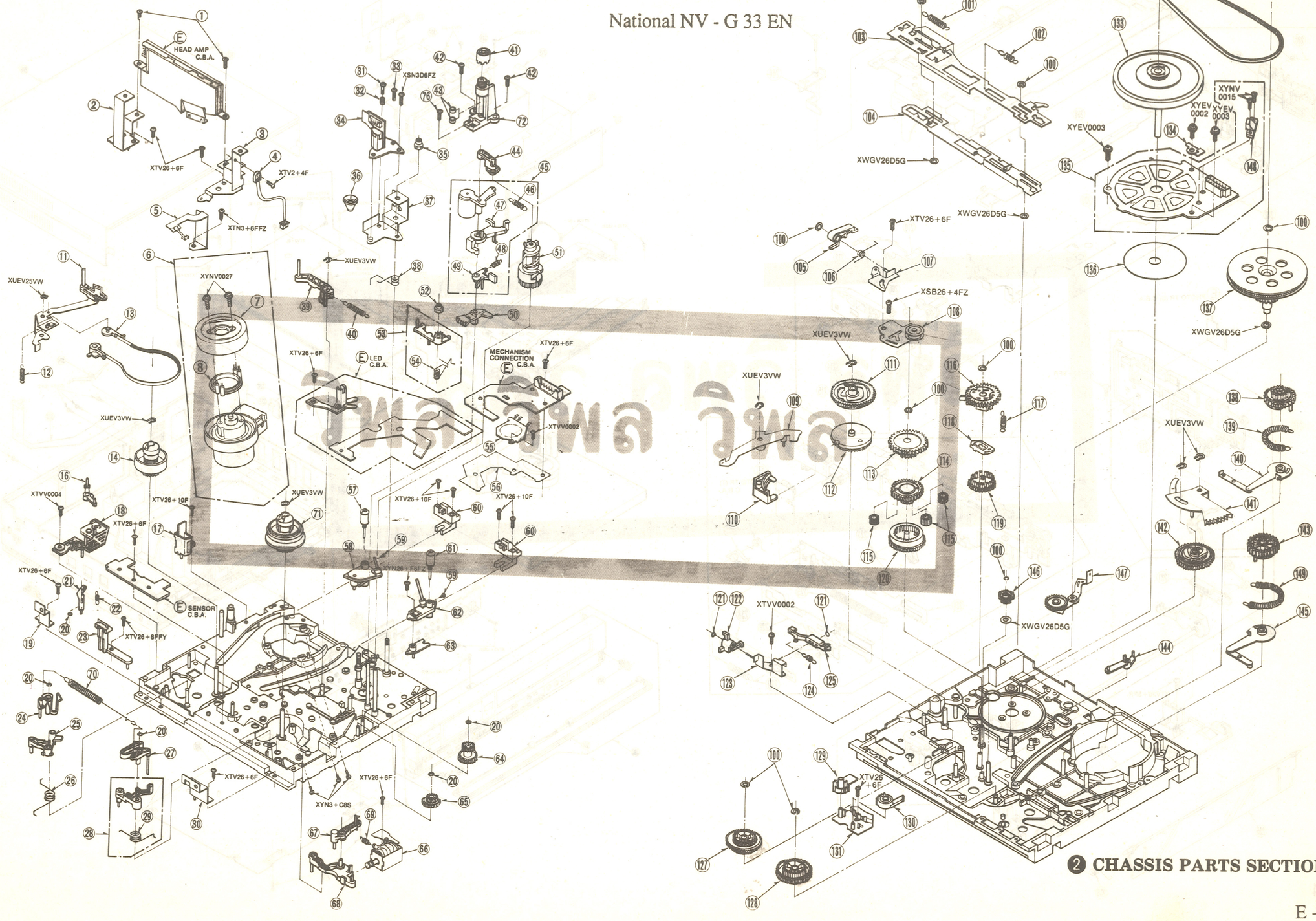
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

4-1. EXPLODED VIEW

❶ CHASSIS PARTS SECTION (1)

SECTION 4

National NV - G 33 EN

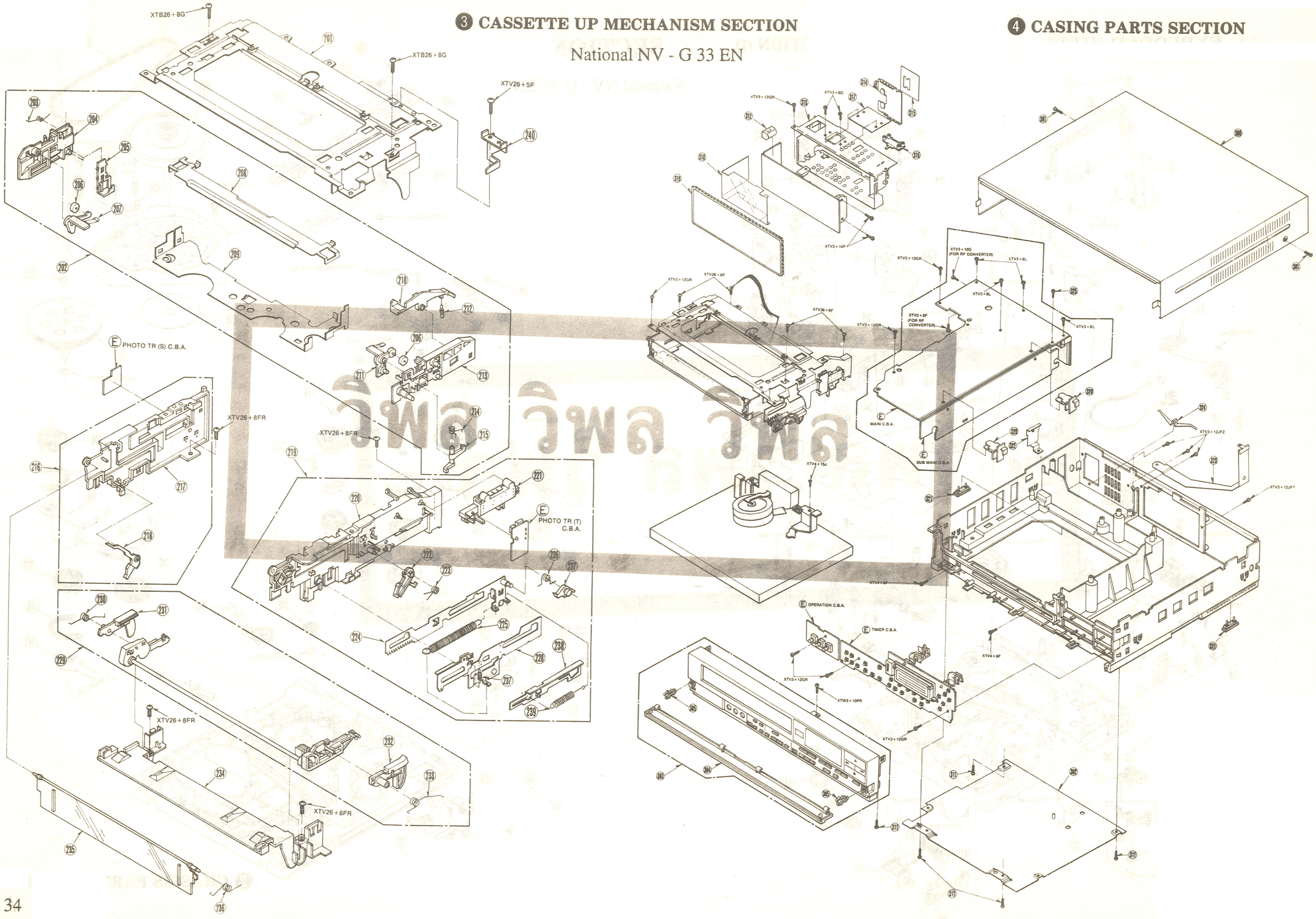


❷ CHASSIS PARTS SECTION (2)

❸ CASSETTE UP MECHANISM SECTION

❹ CASING PARTS SECTION

National NV - G 33 EN



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